

HUB

DIGITAL

LIVING

Time to Go

Back to School

BUYING A PC OR LAPTOP
BEST OF STUDENT GADGETS
ONLINE ENCYCLOPEDIAS

GET IN THE GAME: VIDEOGAME DESIGN SCHOOLS
TEST LAB: SMART PHONES AND PDAs



Digital Imaging

Home Entertainment

Personal Computing

Total Gamer

Wireless

www.hubcanada.com

NCIX.com

Great Technology, Selection & Service

Express Shipping Next Business Day Delivery for orders under 12 pounds.

Starting at only
\$10

Parade
1000-100-100-100-100

Enter the Savings Code at NCIX.com for special prices

NCIX.com's exclusive EXPRESS SHIPPING service, is a value priced next business day delivery service to most locations in Canada. **

Express Shipping offers the fastest possible delivery for your stuff in Canada, at a value price of \$10, \$20 or \$30. If you place your order at NCIX.com before 1PM PST, and all the items you ordered are IN STOCK, you will usually get it the next business day. **

Savings Code
12780-1234

go

FREE
HALF-LIFE 2

BUY ANY QUALIFIED
AMD Athlon™ 64 processor-based system or barebones bundle and get a **FREE** copy of the Half-Life 2® Bronze offer via Steam.™

While quantities last.



See www.ncix.com for details



NCIX PC Essentials 125

AMD Sempron™ 2600+ System



*SYSTEM AND CONFIGURATIONS NOT EXACTLY AS SHOWN

- AMD Sempron™ 2600+ CPU
- 256MB PC3200 RAM
- 40GB 7200 RPM Hard Drive
- CD-ROM Drive
- Integrated Video & Sound w/ 2 Speaker System
- Integrated 10/100 Ethernet Network Port
- Complete Internet Ready Operating System
- Complete Office Suite

Upgrade to 512MB DDR PC3200 RAM, 80GB 7200 RPM Hard Drive and DVD±RW Burner w/ Dual Layer - \$99

\$298

NCIX PC Extra e310

AMD Athlon™ 64 3000+ System



*SYSTEM AND CONFIGURATIONS NOT EXACTLY AS SHOWN

- AMD Athlon™ 64 3000+ CPU
- ASUS A8N-E ATX nForce4 Ultra DDR PCI-E
- eVGA GeForce 6600 GT 128MB DDR
- Samsung 512MB PC3200 RAM
- Seagate® 120GB ATA 100 7200 RPM 8.5MS
- BenQ 16x DVD±RW Burner w/ Dual Layer
- Antec Sonata black quiet chassis ATX case
- Microsoft Digital Media keyboard/optical mouse

Add Windows® XP Home - \$119

Add Windows® XP Pro - \$189

Add Microsoft® Office Basic - \$179

(after mail-in rebate)

\$959

Enter SAVINGS CODE 12899-1018

Dual-Core Performance

AMD Athlon™ 64 4200+ Dual-Core



*SYSTEM AND CONFIGURATIONS NOT EXACTLY AS SHOWN

- AMD Athlon™ 64 X2 4200+ Dual-Core CPU
- ASUS A8N-SLI Deluxe nForce4 DDR Motherboard
- Two eVGA GeForce 7800 GTX 256MB DDR3
- OCZ Gold VX EL 1GB Dual-Channel PC3200 RAM
- Seagate® Barracuda 7200.8 200GB SATA 8MB
- BenQ 16x DVD±RW Burner w/ Dual Layer
- Fortron FSP 500W Blue Storm Power Supply
- Antec P180 ATX Advanced aluminum case

Add Windows® XP Home - \$119

Add Windows® XP Pro - \$189

Add Microsoft® Office Basic - \$179

(after mail-in rebate)

Visit NCIX.com for pricing details

FREE PRINTER

AFTER MAIL-IN REBATE AND WITH SYSTEM PURCHASE ONLY



LEXMARK Z615
Colour Inkjet

LEXMARK

Offer valid until August 30, 2005. While quantities last.

Productivity

Microsoft®
OFFICE REBATES

Get Office Basic for only

\$178

(after mail-in rebate)



WITH SYSTEM PURCHASE ONLY

CPU & Graphics

AMD Athlon™ 64 3000+
1.8GHz S939 Venice 512MB L2 Cache 85W TYP.



\$182.98

Enter SAVINGS CODE
14415-1018

eVGA e-GeForce 7800 GTX
256MB DDR3, PCI-E, DUAL DVI, HDTV,
VIVO, SLI VIDEO CARD w/ BATTLEFIELD 2



\$739.98

Enter SAVINGS CODE
15617-1018

BATTLEFIELD 2

Motherboards & Storage

DFI LANParty NF4 Ultra-D
nForce4 Ultra DDR2 PCI-E16 PCI-E4



\$168.98

Enter SAVINGS CODE
13825-1018

Samsung SyncMaster 710N-2
\$15 Instant Rebate!



\$329.98

Enter SAVINGS CODE
15091-1018

LCD

Samsung SyncMaster 913T 19"
1280 x 1024
700:1 Contrast
0.294mm
8ms Response time
16.2 Million Colours
Analog/Digital
Plug and Play
Silver



\$489.98

Enter SAVINGS CODE
14961-1018

LCD Special Offer

ZERO DEAD PIXEL
LCD Monitors*



*Guaranteed only when you buy Express Coverage with your LCD

expressCOVERAGE

NO HIDDEN FEES!™

We gladly accept Interac, Visa, MasterCard, American Express, Discover & PayPal.



THREE GREAT LOCATIONS!

BURNABY: 5068 Kingsway, Burnaby, BC, V5H 2E7 PH: 604.451.8682 FAX: 604.451.2999

VANCOUVER: 1843 W. Broadway, Vancouver, BC, V6J 1Y5 PH: 604.739.9985 FAX: 604.739.0513

RICHMOND: #1063 - 8300 Capstan Way, Richmond, BC, V6X 4B7 PH: 604.233.0308 FAX: 604.604.233.0313

Visit **www.NCIX.com** to order!

FAST & EASY shipping anywhere in Canada

Toll Free 1-888-NCIX888

M-F: 9:30 AM to 6:30 PM, Sat: 10 AM to 5:30 PM (PST)

M-F: 9:30 AM to 6:30 PM, Sat: 10 AM to 5:30 PM (PST)

M-F: 9:30 AM to 6:30 PM, Sat & Sun: 10 AM to 5:30 PM (PST)

Editorial



Gearing up to go back to school used to mean plaid pencil cases, Velcro binders, coloured subject dividers and various pens, pencils, protractors and the like. Now, gearing up has as

much to do with personal digital assistants (PDAs), PCs, cell phones and assorted other tech tools ... or toys, depending on your perspective.

Organization is often a sticking point for students. The year starts off with the best of intentions, but within a few weeks, some students are invariably searching around in cluttered book bags for a pen, asking more organized peers for a copy of yesterday's notes or what time the math exam is next week. At the post-secondary level, a host of new ... distracting factors are introduced, making organization that much more difficult. Keeping track of due dates, class schedules, assignments and tests is easier than in days past thanks to technology. Students can keep appointments up to date on a home PC or mobile laptop, all the while syncing – either directly or over the airwaves – using PDAs, online calendars, a smart phone or similar.

With a wealth of tech tools at a student's disposal, keeping organized is theoretically easier than ever. The one thing that hasn't changed from the days of pen and paper-based organization is that the tool is only as effective as its end user.

Technology has always been sold as a solution to make our lives easier, more productive and more enjoyable,

leaving more leisure time that generations past enjoyed. While it's almost universally understood that this utopian future vision from days past is a far cry from reality, personal technology can still be empowering.

And while many of the devices we have access to today are powerful tools, they are often also powerful entertainment devices. It's all about balance, as they say.

Enjoy the issue,
Andrew Moore-Crispin
Editor-in-Chief

Last month, we asked for your suggestions on the best gadget for back to school.

Vi Phung writes: Most students don't even know about the existence of what is called a digital notepad. It is basically a notepad with embedded electronics to capture and store everything you write so you can transfer it to your computer or PDA.

I found a \$100 digital notepad such as the ACECAD DigiMemo 692 with 32MB of memory much more useful than my \$500 iPAQ when it comes to taking notes in lectures. After school, the day's notes can be downloaded to a PC and sent it to everyone. If you are sick and missed a lecture, no problem, just ask your classmate to take notes on his digital notepad and email you the notes after school. No need to beg your classmate to let you borrow his/her lecture notes. No need to spend time lining up at the photocopy machine. My \$80 digital notepad got me through four years of Engineering school. This is one of the best investments I had ever made.

This month, in addition to general feedback on the issue, we're asking for your thoughts on our question of the month: How much have you come to rely on the Internet? Whatever your opinion, we want to hear from you. Send your thoughts to: letters@ppublishing.ca.

The letter chosen as Letter of the Month will win a JVC XA-MP2.

This 256MB MP3/WMA digital audio player also features a built-in microphone for voice recording and an FM tuner with recording function.



Letter of the Month

Our Letter of the Month comes from Denis Wong who writes:

I think PDAs, being quite small, and with their ability to store tonnes of reminders (versus the standard paper organizers) are quite ideal for students. Price shouldn't be a factor: the cheapest mainstream PDA is a Palm Zire 21, at \$118.99. Students could go beyond that and get better ones equipped with a music player (sure, not as good as MP3 players or iPods, but oh well), photo organizers, even one with a 1-megapixel camera ... and of course there are the tons of free add-on programs. In short, it's a miniature PC small enough to fit in the hand. It beats the cell phones that everyone carries around, and it's one of the few gadgets that can turn that mark of 60 into an 80.

For his letter, Denis wins a copy of McAfee's Internet Security Suite 2005. Congratulations Denis.

HUB

DIGITAL LIVING

Volume 18 : Number 8

EDITORIAL

Editor-in-Chief Andrew Moore-Crispin
andrew@ppublishing.ca
Editorial Assistant Erin Bell
erin@ppublishing.ca

Contributing Editors Sean Carruthers
Ray Richards, Lee Rickwood
Marc Saltzman, David Tanaka

Art Director Steven Stoner

Advertising Sales

ONTARIO/TORONTO

Corporate Account Managers Ralph Ventriglia
ralph@ppublishing.ca

Ad Sales Karim Rizk
karim@ppublishing.ca
Vik Deonnanan
vik@ppublishing.ca
Heather Knight
heather@ppublishing.ca

MONTREAL

Karim Sahine
karim@ppublishing.ca
WESTERN CANADA Vivian Jin
vivian@ppublishing.ca
Jason Hay
jason@ppublishing.ca

Business Group

President/Publisher Scott Piccolo
scott@ppublishing.ca

V.P. Finance and Operations Frank Diecidue
frank@ppublishing.ca

Production Coordinator Christie Swail
christie@ppublishing.ca

Production Assistant Liz Van Der Wee
liz@ppublishing.ca

Distribution Manager Scott Robichaud
scott@ppublishing.ca

Office Administrator Malenie Rajaram
malenie@ppublishing.ca

IT Manager Steve Quinney
steve@ppublishing.ca

Piccolo Publishing Inc (Head Office)
775-B The Queensway, Toronto, ON, M8T 1N1
Tel: 416-348-9666 Toll-free: 866-757-0179
Fax: 416-348-9553

Canadian Publication Mail,
Sales Product Agreement #41037518. Printed in Canada.
ISSN 1710-0143 HUB: Digital Living [B.C. ed.]
ISSN 1710-0151 HUB: Digital Living [Calgary ed.]
ISSN 1710-016X HUB: Digital Living [Edmonton ed.]
ISSN 1710-0178 HUB: Digital Living [Eastern ed.]
ISSN 1710-0186 HUB: Digital Living [Montreal ed.]
ISSN 1710-0194 HUB: Digital Living [Prairie ed.]
ISSN 1710-0208 HUB: Digital Living [SW Ont. ed.]
ISSN 1710-0216 HUB: Digital Living [Toronto ed.]

HUB: Digital Living is published monthly by Piccolo Publishing Inc. All rights reserved. Reproduction in whole or in part without the permission of the publisher is strictly prohibited. Information presented here is compiled from sources believed to be accurate, however, the publisher assumes no responsibility for errors or omissions. The publisher reserves the right to refuse ads. The opinions expressed in the articles and columns and ads are those of the writer/advertiser and not necessarily those of HUB: Digital Living.

Write Right. The First Time.

Introducing the BenQ DW1640, featuring anti-coaster technology.



BenQ DW1640

Burn it with Write Right

With the DW1640 all-in-one digital media solution, you can digitally preserve your precious photographs and home movies on DVD or CD, ready for playback in most DVD players and computer CD/DVD drives. Additionally, by utilizing Double Layer technology along with DVD+R DL media you can take advantage of an increased storage capacity of 8.5GB of data per disc, or up to 4 hours of DVD quality video.

With features like Write Right Technology, BenQ QSuite, BenQ QVideo, and the exclusive Dual Cooling System, the DW1640 is a complete media authoring suite.

Available at all Best Buy and Future Shop stores.



BenQ.ca



Test Lab: PDAs and smart phones

There are several important factors to consider when shopping for a PDA or smart phone. Among them, synchronization, battery life, wireless capabilities, storage space, operating system, text input methods and a host of others.



HP iPAQ h6325

HP's iPAQ h6325 is the a slightly more expensive version of the h6320, and for the extra expense, users get an incorporated camera that takes decent shots at 640x480.

Leaning more toward the PDA side of the PDA/phone combo equation, the h6325 includes a tiny snap-on QWERTY thumb board that works well for composing notes, emails, SMS messages etc. but doesn't make dialing out particularly easy. To dial, users either tap buttons on the touch screen or hold down the blue secondary function key to access the number pad. Said number pad is distinct in colour only, using a darker shade of grey than the rest of the thumb board.

By incorporating WiFi in addition to the GSM/GPRS phone functions, the phone is able to connect to retrieve email, surf the Web or instant message anywhere there's a signal. The fact that it's a smart phone running Windows Mobile 2003 means native support for widely-used office documents like Word and Excel and a wide variety of add-on software applications, both free and otherwise.

Users familiar with Pocket PCs will find the phone component an easy adjustment as it's accessed in the same way as any other program. What might take some adjustment though is the fact that the large 3.5-

inch LCD touch screen will have to constantly be cleared of face smudges.

Sony Ericsson p910a

The p910a feels quite natural as a phone. With the flip closed, users have access to a traditional cell phone dial pad. Upon opening it, converting the device into PDA mode, a tiny but still usable removable QWERTY keypad useful for composing emails, SMS messages, inputting appointments or contacts and so on is revealed.

The tiny keypad with character buttons that are longer than they are wide takes some getting used to but is surprisingly usable, despite the fact that the individual keys are about 6x3.5 mm (LxW) spaced 1 mm apart.

The organizer functions are well thought out and integrate with existing PC calendaring and organization programs like Outlook and iSync. Some end-users of both software suites have reported synchronization problems. We experienced none using Microsoft's Outlook.

Relative to other phones with PDA functions tested here and previously, the p910a feels a bit sluggish when opening programs or changing functions. Thanks to its well thought out organization, email and web browsing functions, though, it's by no means a terminal blow.

With onboard utilities for viewing common email attachments such as Microsoft Word and Excel files and Adobe PDF, the p910a is an excellent solution for mobile professionals.

An incorporated VGA (640x480) still camera and 176x144 video recorder sweeten the deal.

While users can connect over the cell network (thus incurring data charges) and to other devices via Bluetooth and infrared, the only thing missing is WiFi connectivity. Perhaps in a future iteration of the already well received line.



Info Box

www.hp.ca Price: \$750 Weight: 170g
Dimensions (WxHxD): 5.2 x 3.7 x 0.7 in.
Screen size / resolution: 3.5" / 320x240
Operating system: Windows Mobile 2003
Text entry: Stylus / QWERTY thumb board / touch screen
Main camera: 2.0 megapixel (640x480) / video: 176x144
Available storage: 128MB / expandable storage: 2GB
Phone specs: GSM 900/1800 / GPRS / EDGE / Bluetooth / Infrared / USB
Battery type: 1200 mAh / talk / standby time: 20 / 200
Processor type: 300MHz / connectivity: GSM/GPRS/EDGE/Bluetooth/WiFi

Pros: Full QWERTY keyboard, large screen, good camera, good battery life.
Cons: No WiFi connectivity, no video recording, no video playback.

Info Box

www.sonyericsson.com Price: \$700 Weight: 170g
Dimensions (WxHxD): 4.8 x 2.2 x 0.6 in.
Screen size / resolution: 2.6" / 240x160
Operating system: Symbian OS 9.1
Text entry: Stylus / QWERTY keypad / touch screen
Main camera: 2.0 megapixel (640x480) / video: 176x144
Available storage: 128MB / expandable storage: 2GB
Phone specs: GSM 900/1800 / GPRS / EDGE / Bluetooth / Infrared / USB
Battery type: 1200 mAh / talk / standby time: 20 / 200
Processor type: 300MHz / connectivity: GSM/GPRS/EDGE/Bluetooth/WiFi

Pros: Full QWERTY keypad, good camera, good battery life.
Cons: No WiFi connectivity, no video recording, no video playback.



Excellence.

Seanix Technology sets the standard for excellence and service with a long history of bringing innovation to customers. We appreciate your consistent first-to-market support of Microsoft® hardware, software, and operating systems. Congratulations on expanding your business and market reach with your purchase of A&B Sound. We just wanted to say thank you—here's to continued growth in FY06!



SEANIX

Thank you Seanix.



Nokia 6670

Where many smart and PDA phones include options for text entry – touch screen block, handwriting recognition or keypad – Nokia's 6670 sticks with the alphanumeric pad found on any standard phone. Its T9 word completion / recognition makes things easier and, with a few exceptions, works very well to speed up text entry.

As a stand-alone organizer it's lacking (in this case a full-function PDA or PDA phone is a better way to go), but synced

with a PC where appointments are logged and maintained, it works well.

The 6670 is also the smallest of our roundup and as such, and given that it's a "world phone [850/900/1800/1900]" it travels nicely.

For good or ill though, it's a phone first and everything else second.

A 1-megapixel camera takes excellent stills and video, and relatively large pictures are automatically scaled down when sent as a multimedia message (MMS).

The 6670 comes preloaded to view common attachment types like Microsoft Office, and PDF documents can be decoded and viewed on the screen.

Dell Axim X50 520MHz

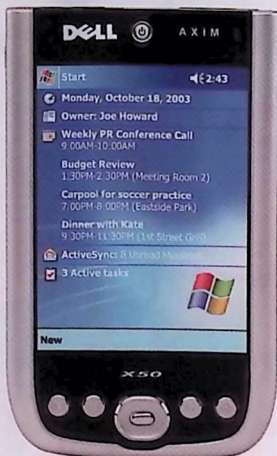
Dell's X50 is the latest instalment in the company's relatively inexpensive but full-featured Axim line.

The X50 520MHz as tested incorporates WiFi, Bluetooth and infrared connectivity, though Dell has yet to enter the smart phone space. A more barebones model strips the WiFi and scales the processor back to 416MHz via Bluetooth, users can wirelessly connect with a similarly equipped cell phone to dial using the PDA's contact directory or to get online but it's an inelegant solution relative to an all-in-one device.

The company has greatly improved the design from the bulky original, shrinking the device and cladding the back in black, tactile rubberized plastic that makes the unit easy and comfortable to hold.

Incorporating both CF and SD/MMC into a single opening on the top of the X50, the device is SDIO [secure digital input/output] compatible so that the SD slot can be used with a variety of add-on SDIO components like GPS receivers, cameras among others.

By Andrew Moore-Crispin



Info Box

www.nokia.ca Price: \$495 Weight: 170g
Dimensions (WxHxD): 115x50x15mm Screen size / resolution: 176x220
Operating system: Symbian OS 6.1
Text entry: Full alphanumeric pad with T9 word recognition
Available storage: 1MB Expandable storage: 1GB, 2GB, 4GB
Phone bands: GSM 850/900/1800/1900
Battery type: Li-ion 1050mAh (typical) Talk / standby time: 4h / 200h
Processor type: ARM7TDMI Connectivity: GPRS, Bluetooth, Infrared

Pros:
• Compact design
• Long battery life
• Weight under 200g

Cons:
• Approximately 100MB of memory for OS
• No camera
• Limited screen and keypad

Info Box

www.dell.ca Price: \$495 Weight: 187g
Dimensions (WxHxD): 115x50x15mm Screen size / resolution: 220x176
Operating system: Microsoft Windows Mobile 2003 Second Edition
Text entry: Touch response, handwriting recognition, virtual keyboard
Available storage: 128MB Expandable storage: SD / CF
Phone bands: GSM Battery type: 1100mAh
Battery life: Varies greatly with screen brightness and application use
Processor type: Intel XScale PXA270 520MHz
Connectivity: Bluetooth, SDIO 1.1

Pros:
• Powerful performance relative to Pocket PCs
• 128MB RAM

Cons:
• No phone component
• Battery life an issue

**512 MB
4 in 1
MP-3 Player**

\$89.95

- Voice Recorder
- USB Flash Drive
- FM Tuner



PC TOY SHOP.com

Accessories & Peripherals

www.pctoyshop.com

The online shop for your Computer Accessories

1-866-828-4401

**FM Xtra 2.0 - FM Tuner
for Apple iPod**

- Auto-scan FM with 10 presets
- Clock, high-fidelity earphones


\$39.95



DIGISETTE

ALLSOP ALCAN LASERLINE MAXELL mimio PerfectLink princo RITEK SPIRE SUMOEX VITECH Xantrex



ehosting.ca | Proudly Canadian. 



eHosting expands its business to ASIA.

Now you can experience great customer support until 5am EST.

Join us now to experience client care in its most genuine form.

Switch to Us Now.
Get First 6 Months Hosting 1/2 Price.*

Instant Customer Support in 3 easy ways.
Telephone. Live-Chat. Email.

Reliable Servers. Fast Speed. Great Plans. Affordable Prices.
Outstanding Customer Care.



Web Hosting Plans

StartUp Plan

\$5⁹⁵ /month 100 MB. Scripting.
Unlimited Email.

Database Plan

\$9⁹⁵ /month 250 MB. Scripting.
Database. Email.

Giga eCommerce Plan

\$29⁹⁵ /month 1 GB. Database.
WebStats .SSL.

Dedicated Server

\$99⁰⁰ /month 40 GB. Plesk OS.
AMD 2.4GHz.

50% off*
on hosting
plans

Call us at **1.866.738.2077** or visit **www.ehosting.ca**

*First 6 months 1/2 price promotion is a mail-in rebate that requires min. 12 months hosting subscription and is valid for hosting purchases only. All hosting plans are eligible except Email, Web, Database, and Dedicated Plans. Please email us your rebate no later than October 31st, 2010. See www.ehosting.ca for details. For more information about our extended customer service hours please visit our website at www.ehosting.ca

High Speed Internet



\$24⁹⁵*
/month
First 3 months

Regular price \$29.95

As always: no contract,
no hidden fees,
no limits

No contract

No hidden fees

No limits

www.ca.inter.net

1 800 920-7873



inter.net®

*Taxes are extra. Visit our web site for all details.

Ignition 3.0 Dance Pad

RedOctane's Ignition dance pad controller is pretty much the standard for experiencing the home versions of arcade dancing games like Konami's Dance Dance Revolution. Priced at US\$109.95 (about \$135) it offers the best price-to-quality ratio on the market and represents the middle ground between the cheap and virtually unplayable flat mats and the metal Afterburner pad, whose price is prohibitive to all but DDR fanatics. Constructed out of four hard foam pieces placed inside a zippered shell, the Ignition pad can easily be dismantled and folded for storage, yet there's enough heft to it that it won't slide around on the floor like the cheaper mats do. Each segment of the mat is also textured to more closely

resemble the arcade experience. With the 3.0 upgrade, the Ignition pad is now compatible with PlayStation, PlayStation 2 and Xbox consoles as well as PC (via USB), which covers virtually every home DDR game ever made. The pad can also be used with RedOctane's dancing game, In the Groove.

Visit www.redoctane.com for more details.



BACK TO SCHOOL SPECIAL!

ABMG
www.abmg.ca



**On-site Service
Quick Upgrades
Networking**



MARKHAM (Head Office)
90 Nolan Court, #5
Tel: 905-470-1031

DOWNTOWN
137 Yonge St.
Tel: 416-862-9595

TORONTO
1230 Bloor St.W.
416-588-5255

TORONTO
2266 Eglinton Ave. W.
416-784-4151

NORTH YORK
2946 Islington Ave.
Tel: 416-742-0006

MISSISSAUGA
2150 Burnhamthorpe Rd.
Tel: 905-569-8119

THORNHILL
6126 Yonge St.
416-512-1010

OSHAWA
1050 Simcoe St. N.
905-720-3822

Business Package

Intel Pentium 4 3.0GHz
Pentium 4 Motherboard
512MB DDR Memory
120 GB Hard Drive
ATX case with 450w P.S.
Floppy
128 MB ATI AGP video card
Sound card 3d
52X LG CD Writer Drive
Ethernet card
USB ports
Keyboard, mouse
& speaker
Price: \$599



Dell Latitude (Refurbished)

Intel Pentium III 600 Mhz
128MB RAM
10 GB Hard Drive
CD-ROM Drive
10/100 Network Card
Sound, 56K Modem
14.1" TFT Screen
Windows 2000

Price: \$349



Compaq Evo N600 (Refurbished)

Intel Pentium III 1 Ghz
256MB Ram
30GB Hard Drive
DVD-ROM Drive
Network Card
Sound, 56K Fax/Modem
14.1 TFT Screen
Windows 2000 Pro

Price: \$549



IBM ThinkPad T21 (Recertified)

Intel 800 Mhz
128MB Ram
20 GB Hard Drive
DVD-ROM Drive
Network Card
Sound, 56K Modem
14" TFT Screen
Microsoft Windows

Price: \$399



Student Package

AMD Sempron 2500 Mhz
AMD Motherboard
256MB DDR Memory
40 GB Hard Drive
ATX Case with 450w P.S.
Floppy
Onboard video card
Sound card 3d
52X LG CD Writer Drive
Ethernet card
USB ports
Keyboard, mouse
& speaker
Price: \$359



DELL Pentium 4 System (Refurbished)

Intel Pentium P4 1.8 Ghz
256MB RAM
20 GB Hard Drive, CD-ROM
CD-ROM, 1.44 Floppy
Sound, Video, NIC
Keyboard & Mouse
Windows 2000 Pro

Price: \$299



OFF LEASE SYSTEMS

Intel Pentium 1 Ghz
128MB RAM
20 GB Hard Drive
CD-ROM, 1.44 Floppy
Sound, Video, NIC
Keyboard & Mouse
Windows 2000 Pro

PIII 1GHZ.... \$199
PIII 733Mhz...\$139
PIII 500Mhz...\$99



Compaq Evo Pentium 4 (Refurbished)

Intel P4 2.0 Ghz
256MB RAM
40 GB Hard Drive
CD-ROM Drive
Floppy Drive, 10/100 Network
56K Fax/Modem
Sound & Video
Keyboard & Mouse
Win 2000 COA

Price: \$349



Pentium 4 Gaming System

Intel P4 3.2 GHz
Pentium 4 Motherboard
1024 MB Dual Channel
DDR 400 RAM
120 Gb Hard Drive w/8mb cache
DVD CD Writer
Logitech X530 5.1 Speakers
with sub woofer
ATI Radeon X800 SE 256MB
AGP Video Card
ATX Case w/450 Watt Power Supply
Audigy 2 Sound Card
Ethernet Card 10/100
6 USB Ports
Microsoft Keyboard
Microsoft Mouse
Price: \$1099



New 17" Direction LCD Monitor

Price: \$270



19" CRT Monitor Refurbished

\$89



17" Dell Monitor (Refurbished)

\$179



15" Direction LCD Monitor

\$229



25 Pack DVD-R Spindle... \$15.99
128MB USB Pen Drive... \$19.99
256MB USB Pen Drive... \$29.99
512MB USB Pen Drive... \$49.99
1 GB USB Pen Drive... \$79.99

HP Laser Printer \$59



AND MUCH MORE!!

Prices, availability and specifications
are subject to change without notice.
Products are not exactly as shown.

Please Note: All New systems include
1 year parts & 3 years labour warranty

iHome



than the average alarm clock, but it also doubles as a handy charging

The iHome from SDI Technologies (www.ihome-audio.com) is an alarm clock that integrates with your MP3 player so that you can wake up to your favourite playlist each morning. At 23 cm wide by 14 cm long, the iHome is somewhat bigger

station for an iPod or iPod Mini via the top-mounted docking station. The iHome is optimized for use with a Standard iPod, iPod Photo or iPod Mini, but other MP3 players (including the iPod Shuffle and other manufacturers' brands) can be accommodated by using the included patch cord to connect to the clock's Line-In.

Clock features include battery power back-up, a "Gentle Wake/Gentle Sleep" feature to gradually increase or decrease the alarm volume, and an AM/FM tuner (with included loop antenna for picking up AM frequencies.) The iHome is scheduled to hit Canadian stores this month, with a suggested retail price of US\$99 (around \$120).

FJ Computers

BACK TO SCHOOL!!

WWW.FJCOMPUTERS.COM

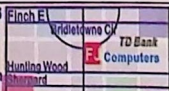
P4 C2.6GHz/533 \$288
INTEL NEW P4 Celeron 2.6/533
ECS GameUnion 533FSB/USB2.0
80G 7200 ATA133 HDD
DDR RAM 128M Module
Xabare 200 64M DDR 8X AGP
NON-SHARED Video Card
LG 52X CD-ROM
Sound Blaster Compatible
Realtek 10/100 NIC
Front USB 2.0 ATX Case/350W
WIN Keyboard & Scroll Mouse
120(180W) 3D Stereo SPK
Upgrade RAM to 256MB +\$35
Upgrade CDRW 52X +\$25

OFFICE P4 2.26GHz \$399
OFFICE P4 2.8GHz \$449
ECS GameUnion 533FSB/USB2.0
Maxtor 80G/7200 ATA133 HDD
36 MB DDR Ram Module
Xabare 200 64M DDR 8X AGP
NON-SHARED Video Card
LG 52X CD-ROM
6-In-One Card Reader
Sound Blaster Compatible
Fast Ethernet 10/100 NIC
Front USB 2.0 ATX Case/350W
WIN Keyboard & Scroll Mouse
120(180W) 3D Stereo SPK

GAMER P4 530.0/775 \$588
GAMER P4 540.3/775 \$649
ASUS P5500-VN 800 FSB/USB2.0
ATI Radeon 9250 128M DDR TV/DT
HDD 160G/7200 RPM
Major 512 DDR 400, 10/100 NIC
SONY 16X DVD +/-R/RW Dual Layer
SB 6 Channel Compatible
Front USB 2.0 ATX Case/P.S. 350W
WIN Keyboard & Scroll Mouse
600W 3D Subwoofer Speakers

AMD SP 2500+ \$249
AMD Sp2500+ CPU
ASUS A750X-MX SATA MB
80G HDD/7200 RPM
RAM 128M DDR333
LG 52X CD-ROM
Real 256E 64M Video ob
Sound Blaster Compatible
Realtek 10/100 NIC
Front USB 2.0 ATX Case/350W
WIN Keyboard & Scroll Mouse
120(180W) 3D Stereo SPK

2851 WARDEN AVE. 8CAR ON MIW2H
Tel: 416-406-7077 Fax: 416-406-7077
Email: SALES@FJCOMPUTERS.COM
Store Hours: Mon-Fri 11:00am-7:00pm
Sat: 11:00am-6:00pm (Sunday close)



Canon \$410
PowerShot 4.0M
3.0xOFT 3.0xDGT
\$429
\$299
Canon
PIXMA IP3000
PHOTO PRINTER
\$149
\$95

Canon MFC3110
All-in-One
Laser Printer
Scanner/Copier
\$399
\$298
Canon MP390
All-in-One
Photo Printer
Scanner/Fax
Copier
\$269 \$175

Canon
PIXMA MP130
All-in-One
Photo Printer
Scanner/Copier
\$115
\$115
Canon MP780
All-in-One
Photo Printer
Scanner/Fax
Copier
\$399 \$329

SONANCE
40" Silverscreen
100W Wall-mount
Brand New
Speaker System
\$1499 \$499

Konica 1350W
Laser Printer
1200x1200 dpi
21PRM
\$199
\$99.99
brother 210C
Inkjet Flatbed
All-in-One
Printer/Copier
Scanner/Fax
\$149

Maxtor Ultra
Retail Box HDD
120G 7200 8M
\$129
\$79
60G 7200 2M
\$80
\$59

DESKJET5650
4800X1200color/inkjet
High Ink Volume
\$169
\$79
Photosmart7450
4800X1200 6-ink
Color Printing
\$129
\$88

SCANJET 4600
2400X2400dpi opt
up to 9600 48BIT
\$119
\$59
Energizer
RJ11/45USB
18 Minutes
650VA \$119 \$69
450VA \$99 \$49

DELL
E173FP17" LCD
\$379
\$279
Envision
19" FLAT CRT
3 Years Warranty
1600x1200@75Hz 0.21
\$219 \$169

NEST ATX
P4/AMD Case w/400W
Side Window
Two Front Cold Cathode Lights
Front USB 2.0
Front Mic/SPK Port
\$119
\$49
Made In KOREA

Situations Desk with Tower
Brand New!
140X120W x 56Dcm
\$79

Arch-Leg Desk
Brand New!
120Hx122Wx55Dcm
\$169 \$49

D-Link USB ADAPTER
DWL-G120/54Mbps \$49
DWL-120+/22Mbps \$39

D-Link PCMCIA CARD
DWL-G630/54Mbps \$35
DWL-G650/108Mbps \$48

110% Lowest-price
and Price-match Guarantee!!
If you've seen a lower advertised price from
another local store with the same item in stock,
we want to know about it. Bring it to our attention,
and we'll gladly beat their price by 10% of the
difference. We'll refund 10% of the difference.

DELL Latitude C600 Slim Intel P3 CPU, 14.1 TFT 1024X768
128MB, 200 HDD, ATI M3 Video Card, 8X DVDROM Floppy
3COM 10/100 LAN, 56K Modem, Sound, Battery, AC Adapter
USB, 2 PCMCIA, Win 2K/98SE pre-loaded
\$379 \$399 \$350 \$459 \$1.00 \$559

D-Link ROUTER
DI-604 4 PORT ROUTER \$28
DI-704P w/printer server \$35
DI-704UP USB printer server \$35

D-Link WIRELESS ROUTER
DI-614+/22Mbps \$34
DI-G524/54Mbps \$39
DI-G624/108Mbps \$49

D-Link PCI CARD
DWL-520+/22Mbps \$29
DWL-G510/54Mbps \$35

DELL Latitude Cpl Intel P3 366 CPU
13.3 TFT 1024X768, 128MB, 6.4G HDD
Video Card, 24XCDROM AC Adapter
USB, 2 PCMCIA Slot
Battery
\$288 DELL

All prices are already 4% cash discounted. Other forms of payment will be on regular prices. Prices and availability are subject to change without notice.

Infonec Computers

416-410-5481 • www.infonec.com • sales@infonec.com

MOTHERBOARDS

ASUS
P5D2-1V/M Deluxe \$163/139/228
P5ND2-SLI Deluxe \$269
P5SD2-Mother/WFI \$265/345
P5SD1-V Radeon Xpress \$119
P5GDC-DX/P5GDCV-DX \$179/188
P5GD1/P5GD1-VM \$128/125
P5P800S/P5P800-VM \$137/117
P4P800 SE-VM \$140
ABN-E \$175/205/219
ABN-SLI Deluxe/Premium \$148/148
ABVE Deluxe/ABV Deluxe \$88/355/139
K8N-DL-E Deluxe \$139/85/85
K8V-SE DX/K8V-XI-MX
INTEL
955XSLKR \$299
955XBLKR \$299
945GZLKR \$169
MSI
7100 K8N Neo4 SLI S939 \$179
7100 K8N Neo4 P939 \$229
7125 K8N Neo4-F S939 \$109
7143 915PL Neo-V \$95
7028 915P Neo-2 Plat. \$179
ABIT
TYAN
SUPERCIMRO \$179
SHUTTLE
CPU/RAM
AMD
Opteron/Nehalem 64 X2/Sampron
Xeon/Pentium 4/Pentium D
Celeron D
OCZ/GEIL/KINGSTON
PC4200/3200/2700/2100
PC4200/3200/2700/2100
PC4200/3200/2700/2100
Portable Storage
USB2/CF/SD/HD/MMC
OCZ Accessories
ModStream 450W/520W
PowerStream 420 \$99/135
PowerStream 520/600 \$105
HD & VGA Power Lead \$159/235
DDR Booster Diag. Device \$29
HeatSink & RamSink Cu/Al \$69
\$29+29/25

STORAGE DEVICES

MAXTOR
300/250/200 (SATA, 16M) \$229/195/129
300/250/200 (U133, 16M) \$239/163/119
10KV 73/147/300 \$289/619/1229
15K11 36/73/147 \$275/569/1239
SEAGATE
400/300/250 (NCQ SATA) \$339/232/163
200/160 (8M, NCQ SATA) \$139/113
400/300/250 (8M, U100) \$352/219/161
Cheetah 10K.7 73/146/300 \$365/269/1399
Cheetah 15K.3 36/73/147 \$349/689/1425
WESTERN DIGITAL
74/36(8M, 10K, SATA) \$225/139
250/200/160 (8M, SATA/II) \$165/142/118
Raid Edition 250/160/120 \$169/125/115
320/300/250 (8M, U100) \$229/213/155
HITACHI
400/250/160 (8M, SATA) \$399/179/115
400/250/160 (8M, U100) \$389/175/105
LACIE Products
Bio/Bigger/Biggest Disk
Mobile Drives
Toshiba/Sanyo/Hitachi
Optical Drives
NEC 3540 DL DVD/RW \$62
LG 4163B 16x/8x-R \$60
SONY DW-D26A \$66
LITEON 16X35 DVD/RW \$65
PIONEER DVR-109 \$62
PLEXTOR
740A \$125
716A/SA-AL DVD/RW \$149/175/199
716U/EX DVD/RW (Silver) \$255
AUDIO DEVICES
Creative Labs
Audigy 4 PRO/2 pcmcia \$315/109
Audigy 4 Platinum/Pro \$209/265
SPEAKERS
Alan Lansings /
Creative / Logitech
Digital Audio Players
Creative Muvo TX FM 256 White \$79
Creative Micro N200 512 \$149
Creative Zen Micro 5G \$225
BenQ Joybee 110/130 \$109/93
iRiver PHIP-120/PMC-120 \$559/639

VIDEO DISPLAYS

ASUS
EN7800GT 2DHTV PCLE \$699
EN6800GT 128M PCLE \$349
EN6800GT 128M PCLE \$329
EN6200GE 128M PCLE \$119
SAPPHIRE (ATI)
X850XT PE 256M PCLE \$669
X850XT 256M TVO PCLE \$569
X800XL Ultimate 256M PCLE \$455
X800XL 512M VIVO PCLE \$399
ATI 9800 Pro 256M TVO AGP \$335
ATI 9800 XT AGP \$599
Theatre Theatre 550 Pro \$99
eHome Wonder oem \$78
V92 FX moderm. AG97 audio. 10/100/bt \$419
FGL V3100 128M PCLE \$239
FGL V3100 128M PCLE \$239
MSI
BFG Tech. \$239
Creative/3D Labs. \$239
eVGA \$239
Leadtek \$239
Matrox \$239
PNY \$239
XFX \$239
COMPRO TV Tuner \$239
HAUPTEYE TV Tuner \$239
MONITORS
VIEWSONIC
VA702B 17" 12ms \$295
VX924 19" 4ms DVI \$515
N2010 20" LCDTV \$575
LG
1750S 17" 12ms LCD \$289
1750S 19" 12ms LCD \$399
PHILIPS
1705FB 17" 12ms Bk \$259
SAMSUNG/BENQ/NEC
PROJECTORS
VIEWSONIC PJ400 \$945
VIEWSONIC PJ256D DLP \$1799
BENQ PB6110 DLP \$1159
HP 5821 DLP \$1685
INFOCUS X2 DLP \$859
NEC VT47 \$1049
SONY VPL ES2 \$1115
HITACHI CP RS55 LCD \$899

OCZ Authorized Reseller

ASUS A6Ne \$1449

INTEL Pentium M 725 1.8G 2M 400fsb (Dothan)
INTEL 855GME & ICH4-M
15.4" WXGA active matrix color TFT LCD
512M PC2700 DDR333 SO-Dimm (upto 2G)
60G U100 2.5" mobile drive
8x DVD+/-RW modular drive
4-in-1 built-in card reader: SD/MMC/MS/PRO
V.92 Fax modem. AG97 audio. 10/100/bt
INTEL Pro 2200BG Wireless included
MICROSOFT XP Professional Edition
2 Years ASUS Global Warranty

Advance 508 \$970

INTEL Pentium 4 530J 3.0G 1M 800fsb
ASUS P5LD2 945GZ LGA775
SATA. PATA. AI Aud. Lan
OCZ 2x256M PC2-5400 PF-DC-K
ASUS EN6600 256M TD PCLE video
SEAGATE 160G SATA w/NCQ HD
NEC 3540A 16x DL DVD/RW
ATTEC TX640B case w/400W
MICROSOFT Opt Value Basic KB
MICROSOFT Optical wheel mouse
LABTEC Spin-20 Stereo Spkr.

Ultimate508 \$1278

AMD64 3000+ 1.8Ghz 512K S939
ASUS ABN-E S939 SATA2. Gbl. FW. Aud
OCZ 2x256M PC3200 Premier DC-K
SAPPHIRE X800XL 256M PCLE video
MAXTOR 200G SATA 16M HD
LG 4163B 16x DL DVD/RW
LOGITECH X230 Spkr. w/Sub
ANTEC TX640B ATX case w/400W
LOGITECH Cordless LX700 KB & Opt. ms.

OCZ

Technology

WWW.OCZTECHNOLOGY.COM

The Ultimate Power Supplies!



ModStream Power Supply:
The Ultimate advanced cable management PSU for Gamers and Power Users!

- EZHDD Cable Management System: Customizable modular UV cable system
- PowerShield EMI Technology: Copper shielded power leads
- Run Cooler: ultra quiet 120mm fan with blue LED's
- Available in 450W and 520W configurations



PowerStream Power Supply:

Award winning leading edge PSU. Ideal for high-end systems and servers!

- PowerShield Technology: Keeps noise levels below 23.9 dBA
- PowerFlex Technology: Individual adjustable power rails
- ConnectAll: Universal connector (ATX, BTX, SIDA, P4 and EPS12V)
- Available in 420W, 520W, and 600W configurations



MARKHAM

505 Hood Road, Unit 13
Markham, ON L3R 5V6
TEL: 905.305.0656
FAX: 905.305.6807
Mon-Fri 10:00-7:30
Sat 10:00-5:00

MISSISSAUGA

400 Matheson Blvd. E., #6
Mississauga, ON L4Z 1N8
TEL: 905.507.3110
FAX: 905.507.8141
Mon-Fri 10:00-7:30
Sat 10:00-5:00

TORONTO

132 Dundas Street West
Toronto, ON M5G 1C3
TEL: 416.341.9900
FAX: 416.341.9902
Mon-Fri 10:00-7:30
Sat 10:00-5:00

Head Office

351 Pioneer Street, Unit 3
Markham, ON L3R 9Z2

Moving Soon

Samsung YP-MT6XC

Courtesy of Samsung Canada (www.samsung.ca) comes the limited edition "Canadian" version of Samsung's Yepp YP-MT6X digital music player, for those who like to wear their patriotism on their sleeves, or in this case, around their necks. The YP-MT6XC comes in Canuck red with a classic white maple leaf insignia on the back; otherwise, it's identical to the standard YP-MT6X. Features of the \$179.99 player include 512MB of built-in flash memory, a four-line backlit LCD, an FM tuner and recorder, a voice recorder, USB 2.0 connectivity, and support for MP3, WMA, Secure WMA, ASF and Ogg file formats. The company claims up to 45 hours of playback on a single AA battery.



ECSELITEGROUP MINIMICRO

www.mini-micro.ca
Notebook Series

140 McLevin Ave. Unit #6
Scarborough, Ontario Canada M1B 3V1
Tel: (416) 321-8898 Toll Free: 1-888-309-8898
Fax: (416) 321-2303 sales@minimicros.com

G220 12.1" WXGA GLASS TFT LCD Display

Model 1. Intel® Pentium-M 1.6GHz 256MB / 40GB / CD-RW & DVD Combo Drive

Model 2. Intel® Pentium-M 1.6GHz 512MB / 60GB / DVD-RW Drive

Integrated graphic controller: Intel 855GME internal graphics

SMA(Shared Memory Architecture), up to 64MB

10/100 Base-T LAN on board, MDC 56Kbps Fax/Modem on board

Wireless LAN 802.11B/G

4 in 1 Card reader, USB 2.0 ports*3, Audio line out, Mic-in

LAN port, Modem port, VGA-out port, PCMCIA slot, 1394A port (mini jack)

AC'97 2.2, SPDIF out, 5.1 channel support, Built-in two high quality stereo speakers

320.0(W) x 242.0(D) x 22.0(H)mm/28.0 mm, 2.0kg, battery included



G220

THE FIRST EVER
NOTEBOOK WITH
1.3-MEGA PIXEL
CMOS CAMERA
BUILT-IN



600 15.4" WXGA (1280 x 800; 16:10) TFT LCD display

Expansion 2 slots of 200pin SO-DIMM DDR module, 2GB total memory capacity.

Support DDR 333 Module

Graphic controller: ATI MOBILITM RADEON® Hypermemory

2.5" 9.5mm height HD; 5.25" 12.7mm Combo Optical Drive; TV Tuner Built-in;

Remote Control; PCMCIA slot, 4 in 1 Card Reader, 1394 (Mini Jack), VGA out port,

TV out port, LAN port, Modem port, USB 2.0 port*4, Coaxial SPDIF out, Mic-in,

MCE port, TV-in connector (cable), 5.1 channel support

Built-in two high quality stereo speakers on sides of K/B and one subwoofer

10/100/1000Mbps Gigabit Ethernet on board;

Intel® PRO / Wireless 2915ABG (802.11a/b/g) network connection

363.0(W) x 281.0(D) x 27.0(H)mm/30.0 mm; 3 kg with 15.4" panel, 4 cell battery and Optical drive installed



Media Center Notebook

G553 15" XGA TFT LCD Display

Model 1. Intel® Pentium-M 1.5GHz 256MB / 40GB / CD-RW & DVD Combo Drive

Model 2. Intel® Pentium-M 1.7GHz 2MB Cache 512MB / 80GB / DVD-RW Drive

Intel® 855GM/GME, Support FSB 400MHz

SMA (Sharing Memory Architecture), 64MB Max, Wireless LAN 802.11B/G

10/100 Base-T LAN on board MDC Fax/modem V.90/V.92+802.11b on board

2 x USB2.0 ports, Parallel port, VGA port, 1394a, TV-Out, Head phone(SPDIF), Mic-in

326(W) x 258(D) x 25.3(H) mm/32mm, 2.3kg, battery included

1-888-309-8898
Call Today
For Price & Detail !



536 15" XGA TFT LCD Display

Mobile AMD® SempronTM Processor 2600 256MB / 40GB / CD-RW & DVD Drive

VIA K8N800 with embedded 3D engine, AGP 8X, SMA up to 64MB DDR SDRAM

10/100 Base-T LAN on board, Built-in MDC 56Kbps FAX/Modem, Wireless LAN 802.11B/G

Mic-in, Audio line out, Modem port, LAN port, USB 2.0 port*2(left), DC -in jack, USB 2.0 port*2(right), TV-out port,

VGA out port, parallel port, 326.0(W) x 285.0(D) x 25.3.0(H)mm/32.0 mm, 2.6 kg, battery included

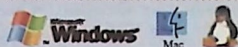




Plug Into A Brand-new World

1 01010101010101010

The technology and quality we built into each and every one of our cards has earned us the great name, "Golden Card".



USB4212U
USB2.0 4+1 ports Card



FW3010
IEEE1394A 3+1 ports Card



UFC321U
USB2.0/1394A Combo Card



SATA2000
Serial ATA 2 channels Card



IDE4100
ATA 133 2 channels Card



4031A
RS-232 2 ports PCI Card



4008A
Parallel 1 port PCI Card



4079P
RS-232/Parallel Multi-IO Card



EHD2000M
3.5" USB2.0 Enclosure



CBU2200
USB2.0 2 ports 32bit CardBus



SHB4200MA
USB2.0 4 ports slim HUB



UTS4009P
USB to 4 ports RS-232 HUB

Dealers Welcome

Laptop Closeout.com

Since 1996

Quality excellence & Exceptional Value Refurbished Laptops

- ✓ Software Package
- ✓ Money Back Guarantee
- ✓ Internet Ready
- ✓ Up to 70% Off

BLOWOUT SALE

IBM PIII & P4 Laptops

IBM Thinkpad A Series, all in one From \$499
 IBM Thinkpad T Series, Slim Design From \$599
 IBM Thinkpad X Series, Mini Laptop From \$699

From **\$499.00**



DELL PIII & P4 Laptops

Dell Latitude C600 Series, Slim Design From \$499
 Dell Latitude C800 Series, all in one From \$699
 Dell Latitude C400 Series, Mini Laptop From \$899

From **\$499.00**



COMPAQ PIII & P4 Laptops

Compaq Armada Series, From \$599
 Compaq Evo Series, Slim Design From \$749
 Compaq Presario Series, From \$999

From **\$599.00**



HP PIII & P4 Laptops

HP Omnibook Series, From \$799
 HP Pavilion ZE Series, From \$899
 HP Pavilion ZT Series, From \$999

From **\$799.00**



Refurbished Laptops Wholesale & Retail

from PIII 750Mhz to P4 3.4Ghz with DVDR
 from 12" Mini laptops to 17" wide screens

Call or Visit Website for Availability

www.laptopcloseout.com

Showroom in Downtown Toronto on Bay & Bloor
 @ 70 Yorkville Ave.

416-875-0748

JVC launches new product line

JVC recently unveiled new additions to its consumer electronics product lines in simultaneous press events held in major centres around the globe.

Attending the Toronto conference, HUB got a chance to see the next iterations of JVC televisions, camcorders, digital audio players and home stereos.

Using JVC's own award-winning sake-soaked wooden cone speaker design, the EX-D1 and EX-D5 allow for a direct connection, wired and wireless respectively, to a home PC or laptop for streaming existing digital audio. The wood cone speakers produce richer and more authentic tones, JVC says and have won design awards in the company's native Japan.

Perhaps the company's biggest announcement was a refresh of the Everio line of hard drive storage camcorders.

Where previous models allowed for up to 10GB of storage, the latest G series Everio camcorders, [GZ-MG20 and 30] store 20GB and 30GB, enough for just over seven and just under five hours of DVD movie quality footage respectively.

The Everio product line is broken down further along lens quality lines with the 20GB and 30GB step-up models [GZ-MG40 and 50] incorporating better lens optics and a 1.33 CCD. Prices run between \$1,000 to \$1,200. Look for our full review next month.

Senior Sales Manager Dai Shibata drew parallels between the progression from tape to CD to hard drive-based audio player market and the camcorder market, emphasizing the convenience associated with not having to travel with storage media or having to source said media in the field.

The latest addition to JVC's line of HD rear projection TVs were also shown off. JVC engineered exclusive technology called D-ILA or direct drive light amplifier for image projection and appears in the company's five latest projection models. This three-colour technology eliminates the colour wheels often associated with DLP televisions and the through-the-LCD projection methods some manufacturers use to offer a brighter, high contrast and flicker-free image, the company says. Seven LCD televisions from 26 to 40 inches were also on display.



The Comfort of Protected Internet Service

"I want to thank you for your virus control. I am delighted with it and it has stopped the earlier problems I was having. Thank you again."

At Pathway Communications, we work hard to ensure that your connection is always up and free of problems such as viruses and spam. On average, an unprotected Internet user receives ten to twenty spam messages each day, and is infected with a virus five to ten times each month. As a Pathway client you enjoy the comfort of an exceptionally fast, secure and trouble-free Internet service.

Pathway's High Speed Internet Service comes with a complete suite of valuable features, including **web based email, web site, spam and virus control and 24 hour technical support** which is the envy of other ISPs.

High-speed Internet Services	Dial-up Internet Services		Web and Email Hosting
FastPath: \$34.95 per mo. <ul style="list-style-type: none">• 3.0 Mbps x 800 Kbps• 5 Personal email accounts• 5 web spaces (10 Mb each)• Web-based organizer• Free dial-up access: 15 hrs/mo.	\$9.95 per mo. <ul style="list-style-type: none">• 50 hrs access• 2 Mb web space• 1 email account	\$19.95 per mo. <ul style="list-style-type: none">• 150 hrs access• 7 Mb web space• 3 email accounts	\$19.95 per mo. <ul style="list-style-type: none">• 40 Mb web space• 10 email accounts
LightPath: \$29.95 per mo. <ul style="list-style-type: none">• 256 Kbps x 256 Kbps• 5 Personal email accounts• 5 web spaces (10 Mb each)• Web-based organizer• Free dial-up access: 15 hrs/mo.	\$14.95 per mo. <ul style="list-style-type: none">• 100 hrs access• 5 Mb web space• 2 email accounts	\$25.95 per mo. <ul style="list-style-type: none">• 350 hrs access• 12 Mb web space• 5 email accounts	\$29.95 per mo. <ul style="list-style-type: none">• 100 Mb web space• 20 email accounts
	Unlimited Dial-up Access: \$25.95 per mo. 9 Mb web space 4 email accounts		\$59.95 per mo. <ul style="list-style-type: none">• 200 Mb web space• 40 email accounts

BUSINESS INTERNET SOLUTIONS

Broadband: 4.0 to 16.0 Mb • T1 • Fiber Optic: 2.0 Mb to 10.0 Mb • Wireless: up to 10 Mb • Server Co-Location



Canada's Only
ISO 9001 Certified ISP

105 Commerce Valley Dr. W, Suite 500,
Markham, ON L3T 7W3 info@pathcom.com

www.pathcom.com
416 214-6363

Digital Photography Tutorial 18

Restoring Photos Part 3: Repairing the ravages of time

In this third part on photo restoration, we'll look at some tools available to repair physical damage to photographs. Damage can include overall fading, mould and water damage and physical damage through cracks and tears.

One simple method of fixing a photo that is very faded or overexposed is to apply a Multiply blend mode to a duplicate layer. This tool is available in many popular image-editing packages including Photoshop.



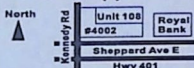
U Computers

For more price, please check
www.ucomputer.ca

WE OPEN 7 DAYS A WEEK!
MON-FRI: 10AM-7PM
SAT-SUN: 10AM-5PM

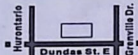
All Systems Now with
2 Years
labor & 1 year parts
Warranty

HEAD OFFICE Scarborough:
4002 Sheppard Ave E, #108



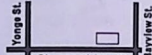
416-293-9933

Mississauga:
289 Dundas St E, Unit 2



905-361-1979

North York:
386 Sheppard Ave. E



416-250-5588

**** Monthly Special ****



D-Link

DI-604 \$35
DWL-922C \$79



Intel Celeron 2.4G \$298

ASROCK P4VM8 SATA
DDR400 256M/LAN
80G 7200RPM/SOUND
LG 52X32X52 CDRW
64M Video On Board
Case Front USB 400W
K.B / OPTICAL MOUSE / SPK
Celeron 2.6G/2.8G \$308/\$318

Intel P4 - 2.4G \$438

ASUS P4S800D-X 4xSATA
DDR 400 256M / SOUND
WD 80G 7200RPM H.D / LAN
LG 16x DVD & 52x CDRW
ATI Radeon 9250 128M TVO
CASE / 400W Front USB
OPT MS & Internet K.B & SPK
P4-3.0G / 3.2GE \$498/\$548

AMD 64 2800+ \$478

ASUS K8N nForce3 SATA
DDR400 512M RAM/LAN
80G 7200RPM H.D/SOUND
LG 4163 16X DVD/RW
ATI R9250 128M TVO
Case Front USB / 400W
Optical MS & KB & SPK
64 3000/3200+ \$508/\$558

Intel P4-530J 3.0G \$528

ASUS P5S800-VM M.B 915G
DDR400 512M PC3200
W.D 160G 8M IDE H.D
LG 4163 16X DVD+/-RW
INTEL Graphics Media A900 O/B
INTEL 10/100 LAN & SOUND
Case Front USB / 450W
Internet KB, OPT MS, SPK
540-3.2G/550-3.4G \$578/\$648

Intel P4-530 3.0GE \$618

ASUS P5P800 M.B / SOUND
DDR400 512M PC3200
W.D 160G 7200rpm 8M
LG 16X DVD+/-RW / G-LAN
MSI NVIDIA Fx5200 128M
MIDTOWER CASE / 450W Front USB
Optical MS & Multimedia K.B
2.1 SUBWOOFER SPK
540-3.2G / 550-3.4GE \$668/\$738

AMD64 939 3200+ \$718

GIGABYTE K8NF - 9nForce4 M.B
1024M (2x512M) DDR400 Pc3200
W.D 160G 8M H.D/SOUND
LG 4163 16X DVD+/-RW
ATI Rx300se 256M DVI PCI-E
Midtower Case / 450W Dual Fan
Multimedia K.B & Optical MS
600W 2.1 SUBWOOFER SPK
AMD939 3000/3500+ \$678/\$818

Intel P540J - 3.2GE \$868

ASUS P5GPL 915PL G-LAN
1024M DUAL CHAN DDR400
ATI X600PRO 256M 16xPCIE
LG 4163 16X DVD+/-RW
W.D 200G SATA HD/SOUND
Side Window Case/550W Dual Fan
Wireless Keyboard & Optical Mouse
Altec Lansing 2.1 Subwoofer SPK
P530-3.0G/550-3.4G \$828/\$948

Super P630 3.0GE 2M \$978

ASUS P5GDC - DX M.B 915P
DDR2 533 1024M PC4200
W.D 200G SATA 7200R 8M H.D
LG 4163 16X DVD/RW
8-Chan Sound & Gigabit LAN O/B
ATI/Sapp X600PRO 256M 16xPCIE
Side Window Case/550W Dual Fan
Logitech Wireless Optical K.B & M.S
Logitech X-530 5.1 Sub-W SPK
P4-640/650 \$1048/\$1168

LCD & CRT SPECIAL

17" PANDA L171 LCD \$249
17" ACER 1715B LCD \$265
17" LG L1750S 550:1 12ms \$285
17" SAMSUNG 710N 12ms LCD \$308
19" ACER 1913B 800:1 LCD \$368
19" LG 1950S LCD 500:1 12ms \$385
19" BENQ 931D digital LCD \$398
19" SAMSUNG 915N LCD 700:1 \$438
19" SAMSUNG 913T digital LCD \$468
17" IBM NON-FLAT CRT Refur \$48/65
17" LG T710MH FLAT W/SPK \$118

Hard Drive

USB 2.0 128M/256M/512M \$18/28/43
(2M)80G/120G \$63/85
(8M)80G/160G/200G \$68/93/112
(8M) 250G/320G \$133/198
(SATA 8M) 160G/200G/250G \$97/117/137
2.5 5400RPM 40G/60G/80G \$82/98/139
DVD/CDRW
LG 16x DVD-ROM \$25
LG 52x32x52 CDRW \$27
LG 16x DVD & 52x CDRW \$42
LG 4163 16x DVD+/-RW \$53
NEC 3540 16X DVD+/-RW \$56
PIONEER 109 16X DVD+/-RW \$58

Video Card

Mercury TV TUNER CARD/Remote \$38
WinFast TV 2000XP Expert \$63
ATI Radeon 9250 128M TVO DVI \$43
MSI Fx5200 128M AGP DVI TVO \$48
ATI R9550 256M/9800PRO 256M \$75/95
ASUS 6200GETC256 64M Turbo -C PCIE \$83
ATI/SAP X600PRO 256M PCIE \$105
Gigabyte FX 6600GT 128M PCIE \$218

LAPTOP

ACER AS3502NLCI Celeron-M 1.4256MB,
4GB, 15" TFT, DVD/CDRW, 802.11G \$729
ACER AS3002WLCI-XPX Sempron 2800+ 40GB
256MB, 15.4" WXGA, Combo, 802.11b/g XP Home \$828
ACER AS1690LCI-XPX Centrino 1.5GHZ 256MB,
4GB, 15" TFT, DVD/CDRW, 802.11G, 56K, XP Home \$1069
ACER AS5002WLMi-XPX Turion ML-30 1.6G 80GB
512MB, 15.4" WXGA TFT, DVD+/-RW, 802.11b/g XP Home \$1099

Prices subject to change without notice. Cash price, already 4% Discounted

... Back to school specials ...

(Check our website for updated prices)
ALL LIST PRICES ARE ALREADY CASH DISCOUNTED, ANY OTHER FORM OF PAYMENT WILL BE AT REG. PRICE

<p>LG</p> <p>L1950s 19"</p> <ul style="list-style-type: none"> 19" LCD 1280x1024 294mm 500:1 12ms 250cd/m2 <p>\$388</p>	<p>LG</p> <p>LS50-UE501</p> <ul style="list-style-type: none"> Dolby 1.6GHz 512M DDR 60G HD Intel 855GME Video 15" XGA DVD/CDRW Wireless G, XP Home <p>\$1480</p>	<p>LG</p> <p>MF-FD150 Mp3 Player</p> <ul style="list-style-type: none"> 256M Memory Mp3, WMA, DRM Silver USB Interface LCD Display <p>\$77</p>
---	---	---

<p>ASUS</p> <p>P5LD2-DX Mainboard</p> <ul style="list-style-type: none"> Support Intel P4 LG7475, 1066FSB Intel 945 Chipset Dual Core CPU PCI Express Formless Design <p>\$210</p>	<p>ASUS</p> <p>A6Ne</p> <ul style="list-style-type: none"> Pentium M 1.6GHz 512MB 40GB HD 8x DVD +/- RW 15.4" Wide Screen Webcam: Win XP Pro <p>\$1449</p>	<p>ASUS</p> <p>Extreme AX600X/HTVD</p> <ul style="list-style-type: none"> 128MB DVI dual VGA 4 Full Precision Pipelines Smartshader VideoShader HDTV Support <p>\$253</p>
---	--	---

<p>Antec</p> <p>Sonata II w/450W</p> <ul style="list-style-type: none"> Front Mount USB IEEE 1394 3x 5.25" Ext. bays 2x 3.5" Ext. bays 4x 3.5" Int. bays <p>\$138</p>	<p>Canon</p> <p>PIXMA IP2000</p> <ul style="list-style-type: none"> Color Inkjet 20ppm Color 14ppm Black 480x60120dpi Win/Mac USB <p>\$57</p>	<p>LEXMARK</p> <p>P3150 All-in-1 Printer</p> <ul style="list-style-type: none"> Thermal Inkjet Colour Scanner Colour Copier Build-in Card Reader Run/Mac USB Refurbished <p>\$65</p>
---	---	---

<p>Leadtek</p> <p>Px7800 GTX Video Card</p> <ul style="list-style-type: none"> nVidia CineFX 4.0 SU Technology 256M memory Dual DVI PCI Express <p>\$770</p>	<p>PHILIPS</p> <p>17056FB LCD</p> <ul style="list-style-type: none"> 17" 1280x1024 500:1 12ms 250cd/m2 Black <p>\$270</p>	<p>SAMSUNG</p> <p>710N II LCD</p> <ul style="list-style-type: none"> 17" 1280x1024 600:1 8ms 300cd/m2 Black <p>\$330</p>
--	--	---

<p>EG301P-VB-FM</p> <ul style="list-style-type: none"> 300W PS ATX 12V Dual FAN S-ATA connectors Ring Core <p>\$40</p>	<p>EG565P-VE</p> <p>FMA 2.0</p> <ul style="list-style-type: none"> 635W ATX 12V v2.0 Dual FAN Silence S-ATA connectors Ring Core PCI-E Connectors <p>\$106</p>	<p>MARVIN</p> <p>Bluetooth Cellular Headset</p> <ul style="list-style-type: none"> Up to 15 meters 6/140 hrs talk/standby Light weight (10 grams) <p>\$55</p>
---	--	---

<p>Logitech</p> <p>X530 5.1 Speakers</p> <ul style="list-style-type: none"> 140W Peak Power Frequency: 40Hz-20KHz Factory Refurbish <p>\$60</p>	<p>Mini Mp3 Player</p> <ul style="list-style-type: none"> 256M Memory Support Mp1, Mp2, Mp3, WMA, WAV, ASF, WAV FM Stereo Radio <p>\$12M</p>	<p>USB 2.0 Pen Drive 128M</p> <ul style="list-style-type: none"> Speeds up to 480Mbps Read: 17MB/s (max) Write: 14MB/s (max) Operating Indicate LED Firmware Upgradable <p>\$20</p>
---	---	--

<p>Surveillance Camera</p> <ul style="list-style-type: none"> Color CMOS Wireless 1.2GHz Mini Camera Mini Receiver Audio Function 50M Distance Board Lens <p>\$99</p>	<p>SPY Camera</p> <ul style="list-style-type: none"> Color CMOS Wireless 1.2GHz Mini Camera Mini Receiver Board Lens 50M Distance <p>\$99</p>	<p>Digital Surveillance Capture Card</p> <ul style="list-style-type: none"> High Speed Recording On the fly Viewing Object Search Motion Detection Multi Screen Monitoring <p>\$213</p>
--	---	--

*Some products not exactly as illustrated & While Quantities Last - We reserve the right to limit quantities - Logic Computer House disclaims any proprietary interest in trademarks or trade names except it's own Price and availability are subject to change without notice All items are already cash discounted. Any other form of payment will be at Regular Price. See website for Refund and Exchange Policy.

**** Store Hours: ****

Mon-Fri: 10:00a.m. - 9:00p.m.
Sat: 10:00a.m. - 6:00p.m.
Sun: Noon - 5:00p.m.

Gov't & Corporate
PO's Accepted
Resellers are Welcome

WAREHOUSE OUTLET
7310 Woodbine Avenue
(Woodbine & Denison)
TEL: (905) 415-0909
FAX: (905) 415-0911



MISSISSAUGA OUTLET
1590 Dundas St. E.
(Dixie & Dundas)
TEL: (905) 276-9995
FAX: (905) 276-5108



Value Barebone Series

- MB: Giga Byte GA-85661FXM-RZ S15661FX chipset
- RAM: Kingston 256MB DDR 400MHz
- FD: Sony 3.5" 1.44M FD
- HD: Maxtor 80GB IDE HD 7200rpm 2M
- Video: SIS 616FX Chipset
- Optical Drive: LG 8252B 52x CDRW
- Sound: Onboard Sound
- LAN: Onboard 10/100 RJ45 LAN
- Case: Mid-Tower with 350 ATX P/S

(Optional: Operating System, KB, Mouse & Monitor)

Celeron D320	Celeron D330	P4-3.0E GHz
\$359	\$379	\$509

Platinum 775 Series

- MB: Giga Byte GA-8I915P Dual Intel 915P
- RAM: Kingston 1G (2x512M) Pcs3200
- FD: Mitsumi FA404M 7-in-1 Card Reader/Floppy Drive
- HD: 160GB Maxtor DiamondMax SATA Drive
- Video: Giga Byte Radeon x300SE 128M DVI/TV out
- Monitor: LG 1910s 19" LCD 1400:1 25ms
- Optical Drive: LG 4082B 8x DVD+/-RW
- Audio: Onboard C-Media High Def 8 Channel Audio
- Case: Antec Sonata Mid Tower & 350W PS
- KB: Logitech Multimedia Keyboard
- Mouse: Logitech Optical Mouse
- Speakers: HW-6218 2.1 w/Subwoofer

(Optional: Operating System)

P4 530 3.0E GHz	P4 550 3.4E GHz
\$1359	\$1489

Diamond 775 Series

- MB: Giga Byte GA-85661FXM-775 S15661FX chipset
- RAM: Kingston 1G 256MB DDR PC3200
- FD: Sony 1.44M Floppy Drive 3.1/2"
- HD: 160GB Maxtor DiamondMax 133
- Video: Onboard SIS660 FX chipset
- Monitor: LG 1750s 17" 1280x1024 500:1 12ms
- Optical Drive: LG 4082B 8x DVD+/-RW
- Audio: Onboard 8 Channel Audio
- Case: Mid-Tower (B319) 400W P/S
- KB: Compaq PS2 Keyboard
- Mouse: Logitech B109 Wheel/Mouse Optical
- Speakers: JBL Platinum Series 2.0 System

FREE: Lexmark Z515 Color Printer USB (Factory Re-Certified 1 Yr Warranty)

P4 530 3.0E GHz	P4 550 3.4E GHz
\$999	\$1129

Platinum 939 Series

- MB: GigaByte GA-KNF-9 NVIDIA nForce4 chipset
- RAM: Kingston 1G (2x512M) DDR PC3200
- FD: Mitsumi FA404M 7-in-1 Card Reader/Floppy Drive
- HD: 160GB Maxtor SATA Drive
- Video: GigaByte Radeon X300SE 128MB DVI TV-Out
- Monitor: LG 1910s 19" LCD 0.294mm 400:1 25ms
- Optical Drive: LG 4082B 8x DVD+/-RW
- Audio: Onboard 8 Channel Audio
- LAN: Onboard Gb LAN
- Case: Antec Sonata Mid Tower with 350W PS
- KB: Logitech Internet KB and Optical Mouse
- Speakers: HW-6218 2.1 Speakers System

FREE: RF Dino Joystick W.O.L. (Operating System Optional)

Athlon 64 3000+	AMD 64 3500+
\$1319	\$1479

Diamond 754 Series

- MB: Asus K8V-X VIA K8T800 chipset
- RAM: Kingston 812M DDR 400MHz
- FD: Sony 1.44M Floppy Drive 3.1/2"
- HD: 160GB Maxtor IDE 133
- Video: Giga Byte Radeon 8250 128MB 8xAGP TV Out
- Monitor: LG 1750s 17" 1280x1024 28 500:1 12ms
- Optical Drive: LG 4082B 8x DVD+/-RW
- Audio: Onboard 8 Channel Audio
- LAN: Onboard 8001 GbLAN
- Case: Mid-Tower (B319) with 400W P/S
- KB: Compaq PS2 Keyboard
- Mouse: Logitech B109 Wheel/Mouse Optical
- Speakers: JBL Platinum Series 2.0 system

FREE: Lexmark Z515 Color Printer USB (Factory Re-Certified 1 Yr Warranty)

Athlon 64 2800+	3200+	Sempron 3100+
\$979	\$1069	\$959

Our 17th Year
550 Alden Rd., Unit #110
Markham, Ontario L3R 6A8
Telephone: (905) 470-1425
www.greytech.com

GREY TECH

COMPUTER INC.

HARDWARE • SOFTWARE • ACCESSORIES

Directions & Hours
5 Lights North of Steeles Avenue
1 Block West of Warden Avenue
Hours: Monday - Friday: 9am - 6pm
Saturday & Sundays: Closed

Video Editing Package

\$1859



Intel Pentium 4 LGA 3.0GHz 1mb cache, Asus motherboard P5GD Deluxe, 1GB DDR2 533 MHz memory, Seagate 160GB 7200 rpm SATA2 drive, ATI All in Wonder X800PRO PCI-E 256mb, Viewsonic VP1719-2 17" Bms LCD, Liteon 16x DVD Writer Dual Layer, Antec Sonata Super Quiet Case, Logitech Keyboard and Optical mouse, Altec Lansing 2.1 speakers, Windows XP Pro, Onboard 8 Channel Digital sound, Firewire, 1000 LAN, USB2, SATA, Twin RAID controllers
As listed (#Q57443) **\$1859.00**

BACK TO SCHOOL BUNDLE

Get everything you want at a great price!

Intel Pentium 4 powered system with LCD monitor AND a DVD writer!

- Intel Pentium 4 2.4GHz processor
- Gigabyte motherboard with SATA support
- 512mb of 333MHz memory (expand to 2GB)
- 40GB Seagate drive, 7200rpm, 2mb cache
- 15 inch Acer LCD flat panel 1024x768 display
- Deluxe mid tower case with up front USB ports
- CSA certified power supply with 450 watts
- Windows keyboard, scrolling mouse, speakers
- LG 16x Dual Layer DVD burner with software
- Microsoft Windows XP Home edition
- Two Year Parts & Labour warranty



Complete Package as listed...

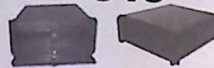
\$799

BACK TO SCHOOL

Online shopping part #GT-SYSQ58419

Rackmount File Servers

From **\$649**



Intel Pentium 4 LGA 3.0GHz processor 800MHz, Asus motherboard AS-P5800-VM, 512MB DDR memory, Seagate 40GB 7200 rpm drive, LG CD-ROM drive, Antec 2U or 4U Rack Mount case. Heavy duty power supply, Onboard LAN, USB2.0, Video, Built-in RAID controller for expansion.
2u Server (#Q56255) **\$829.00**
4u Server (#Q55854) **\$749.00**
Also available in a 2.0GHz Celeron version with 256mb of memory - 4u (#Q57833) **\$649.00**

RAID 1 4U Server

Intel Pentium 4 3.0GHz 800MHz, Asus motherboard, 100/1000 LAN, 1024mb DDR dual channel memory, Twin 20GB Seagate SATA2 hard drives, CD-ROM, Floppy drive, RAID 0/1 onboard, 4U 40 watt rackmount chassis
4u Server (#Q56249) **\$949.00**

LASER PRINTERS

Samsung's ML-1610 Laser

- Low cost, affordable printing
- 600/600 dpi resolution
- Prints 17 pages per minute
- USB interface



\$132.95 BACK TO SCHOOL Prints legal size!

SAMSUNG
ML1740 (17ppm/600dpi) **243.95**
ML2251n (lan/22ppm/600dpi) **303.95**
MLP510 (colour/20/5ppm/1200dpi) **448.95**
HEWLETT PACKARD
1020 (15ppm/600 dpi) **182.95**
1022N (lan/15ppm/1200 dpi) **356.95**
1320 (22ppm/1200 dpi) **463.95**
2550L (colour/20/4 ppm/600dpi) **444.95**
HEWLETT PACKARD Multifunction
3015MFP (print, scan, copy, & fax) **359.95**

POCKET PC'S

HP Extreme Pocket PC

The HX4700 offers a remarkable 640x480 colour true VGA display combined with a super fast 624MHz processor.

Complete kit: Pocket PC with 128mb memory, docking cradle, installation CD, and charger. Features both SD and CF slots.

\$646.95

GPS kit with talking turn by turn directions also available



HEWLETT PACKARD
Ipaq 1710 (203MHz, 25mb) **281.95**
Ipaq 2750 (634MHz, 128mb, Blue/WiFi) **606.95**
Ipaq 3115 (300MHz, 52mb, Blue/WiFi) **393.95**
Ipaq 4350 (400MHz, 64mb, Blue/WiFi) **585.95**
Ipaq 4700 (624MHz, 128mb, Blue/WiFi) **646.95**
Ipaq 4700 GPS Kit

(Ipaq 4700 VGA, Bluetooth GPS receiver, charger, and Canadian & US maps) **1000.00**
Ipaq 6320 (75mb, Phone/Blue/WiFi) **669.95**
Ipaq GPS Bluetooth mapping add-on **361.95**
Ipaq Keyboard Folding Bluetooth **127.95**

ASUS
A730 (533MHz/64mb/640x480 colour/Blue) **579.95**
A730W (533MHz/64mb/640x480 colour/Blue/WiFi) **692.95**
PALM COMPUTING
Zire 21 (128MHz, 8mb, Black & White) **124.95**
Zire 31 (200MHz, 16mb, Colour) **168.95**
Zire 72 (312MHz, 24mb, Colour) **299.95**
Zire 72 GPS Kit (207.264mb memory card, GPS receiver, car windshield holder, charger) **487.95**
Tungsten E2 (200MHz, 32mb) **247.95**
Tungsten T5 (416MHz, 16mb, Blue) **396.95**

acer Notebooks

Acer AC-2312LCI-XPB

- INTEL 1.4GHz Celeron Processor
- 256mb DDR 333MHz memory
- Microsoft Windows XP Home
- 40gb hard drive with 2mb cache
- CD Writer & DVD reader combo drive
- 15 inch XGA display 1024x768
- 56k modem, 10/100 LAN, Wireless LAN (g)



\$798

BACK TO SCHOOL

Acer Centrino Great Price!

1.5GHz Centrino, 512mb, 60gb drive, 15" display, Windows XP Pro, Wireless LAN, CDWriter + DVD AC-4150LCI-P **\$1250.95**



Acer Semprom Notebook

AMD 1600Hz Semprom, 256mb, 40gb drive, 15.4" wide display, Windows XP Home, Wireless LAN, CDWriter + DVD AC-AS3002WLCI-H **\$862.00**



Acer Centrino Notebook

Intel 2.0GHz Centrino, 512mb, 80gb drive, 15" display, Windows XP Pro, Wireless LAN, DVD Writer AC-4654LMI-P **\$1839.95**

Acer Tablet Centrino PC

1.2GHz Centrino, 512mb memory, 40gb drive, 10" Touch display, Windows XP, WLAN, Bluetooth AC-TMC113TI-XPT **\$1757.95**



Acer Pentium 4 Notebook

3.2GHz P4, 512mb memory, 100gb drive, 17" wide display, ATI X800, Windows XP Pro, WLAN, DVD Writer AC-AS1804WSMI-P **\$2118.95**



Acer Centrino Notebook

Intel 1.8GHz Centrino, 1GB, 100gb drive, 15.4" wide display, Windows XP Home, Wireless LAN, DVD Writer AC-AS1684WLMH-P **\$1678.95**



FLASH MEMORY

COMPACT FLASH (CF)

Kingston 128mb 25x Lexar 40x 512mb 83x
Kingston 256mb 33x Lexar 40x 1gb 130x
Kingston 512mb 33x Lexar 40x 512mb 93x
Kingston 1gb 85x Lexar 80x 1gb 140x
Kingston 2gb 151x Lexar 80x 2gb 275x

FLASH DRIVE

USB PORTABLE DRIVES

Apacer 128mb 30x Lexar 40x 512mb 47x
Apacer 256mb 41x Lexar 40x 512mb 74x
Apacer 512mb 60x Lexar 40x 1gb 114x
Apacer 1gb 95x Lexar 80x 1gb 133x
Apacer 2gb 161x Lexar 122x 2gb 290x

EXTERNAL HARD DRIVES

Grey-Tech's premium external desktop hard drives feature both Firewire and USB 2.0 interfaces for PC and MAC use. The compact, high quality aluminum design radiates heat quickly and makes these units suitable for portable use. Silent operation. They are stackable and can be daisy chained using the IN/OUT Firewire ports. Interface cables and power adapter included. All drives feature 7,200 rpm AV speeds.

120GB with Seagate drive, 8mb cache, 7,200 rpm (GT-MINI120PRO) **189.95**
160GB with Seagate drive, 8mb cache, 7,200 rpm (GT-MINI160PRO) **209.95**

250GB with Seagate drive, 8mb cache, 7,200 rpm (GT-MINI250PRO) **269.95**
400GB with Seagate drive, 8mb cache, 7,200 rpm (GT-MINI400PRO) **489.95**

- Custom quotations available
- Corporate purchase orders welcome
- Prices already cash discounted.
- credit cards subject to surcharge
- Prices subject to change without notice
- All products come with full warranty
- We ship across Canada
- Order online www.greytech.com



INKJET PRINTERS

Epson's remarkable R1800

- Prints professional photos
- Prints posters up to 13x44"
- Prints directly on CD/DVD
- Firewire and USB 2.0
- Borderless



\$636.95

8 Separate Inks!

EPSON Inkjets
R2000 Photo/DVD/CD Printer **132.95**
R3200 Photo/DVD/CD Printer **217.95**
R8000 Photo/DVD/CD Printer **454.95**
R2400 Photo/DVD/CD Printer **968.95**
4000 Pro Print Engine **2185.95**
4800 Pro Print Engine **2314.95**
HEWLETT PACKARD All-In-One
4215MFP Print/Scan/Copy/Fax **158.95**
4110MFP Print/Scan/Copy/Fax **157.95**
5510MFP Print/Scan/Copy/Fax **191.95**

MP3 PLAYERS

iRiver MP3 Player/Recorder

The iF75 combines advanced River sound quality with a stylish, wearable design. Built-in FM tuner and any source audio recorder.

Complete kit with 512mb memory, earphones, arm band, carrying case, neck strap, USB 2.0 cable, and in-line cable.



\$224.95

BACK TO SCHOOL

iRiver iFP750T MP3/Voice/FM 256mb **116.95**
iRiver iFP755T MP3/Voice/FM 512mb **166.95**
iRiver iFP757T MP3/Voice/FM 1gb **224.95**
iRiver iH10 MP3/Voice/FM 512mb **320.95**
iRiver iH10 MP3/Voice/FM 512mb **320.95**
iRiver iH10 MP3/Voice/FM 512mb **320.95**
Creative MuVo TX FM 512mb **162.95**
Creative MuVo TX FM 1024mb **184.95**
Creative Nomad Zen Mono Silver 512mb **239.95**
Creative Zen Touch 20GB **311.95**
Creative Zen Touch 40GB **401.95**
Creative Nomad Zen 30GB **295.95**
Creative Multi Media Center 20GB **594.95**

SCANNERS

EPSON
2480 Photo 2400x4800 **128.95**
2580 Photo 2400x4800 motorized **176.95**
4180 Photo 4800x9600 **236.95**
4870 Photo 4800x9600 **456.95**
4990 Photo 4800x9600 **568.95**
4990 Photo Pro 4800x9600 **781.95**

Grey-Tech reserves the right to withdraw or change pricing, products, or services without notice. Grey-Tech assumes no responsibility for errors in content or pricing. Some items are limited specials. Accurate: 06/17/05

Our 17th Year
550 Alden Rd., Unit #110
Markham, Ontario L3R 6A8
Telephone: (905) 470-1425
Fax: (905) 470-9556

GREY TECH

COMPUTER INC.

HARDWARE • SOFTWARE • ACCESSORIES

Directions & Hours
5 Lights North of Steeles Avenue
1 Block West of Warden Avenue
Hours: Monday - Friday: 9am - 6pm
Saturday & Sundays: Closed

PROCESSORS

INTEL PENTIUM 4 PGA Retail	
2.40GHz (533MHz, 1mb cache)	176 ⁹⁵
INTEL PENTIUM 4 LGA Retail	
3.00GHz (800MHz, 1mb, P4-530)	255 ⁹⁵
3.00GHz (64-bit, 2mb, P4-630)	311 ⁹⁵
3.20GHz (800MHz, 1mb, P4-540)	307 ⁹⁵
3.20GHz (64-bit, 2mb, P4-640)	369 ⁹⁵
3.40GHz (800MHz, 1mb, P4-550)	372 ⁹⁵
3.60GHz (800MHz, 1mb, P4-560)	552 ⁹⁵
INTEL PENTIUM 4 Dual Core Retail	
2.80GHz (800MHz, 2mb, P4-820)	333 ⁹⁵
3.00GHz (800MHz, 2mb, P4-830)	430 ⁹⁵
AMD ATHLON 64 Retail	
3000+ Socket 939 (Venice 333MHz)	198 ⁹⁵
3500+ Socket 939 (Venice 333MHz)	336 ⁹⁵
3800+ Socket 939 (Venice 333MHz)	469 ⁹⁵
AMD ATHLON 64 Dual Core Retail	
4200+ X2 (512kb + 512kb)	663 ⁹⁵
4400+ X2 (1mb + 1mb)	719 ⁹⁵

MOTHERBOARDS

FORINTEL PROCESSORS	
ASUS P45800-MX w/vidio PGA	65 ⁹⁵
G.B. GA-8S661FXMP w/vidio PGA	69 ⁹⁵
ASUS P5800-VM w/vidio LGA	87 ⁹⁵
ASUS P5800 LGA	128 ⁹⁵
ASUS P5GD1-VM w/vidio LGA	136 ⁹⁵
ASUS P5LD2 LGA	142 ⁹⁵
ASUS P5LD2 LGA	177 ⁹⁵
ASUS P5GDC-DX LGA 915	191 ⁹⁵
ASUS P5AD2-E-DX LGA 925	230 ⁹⁵
ASUS P5AD2-E-PREM LGA	279 ⁹⁵
ASUS P5WD2-PRE LGA	275 ⁹⁵
ASUS P5ND2-SLI-DX LGA NF4	283 ⁹⁵
FOR AMD PROCESSORS	
ASUS K8V-X (Athlon 64 754)	89 ⁹⁵
ASUS ABV (Athlon 64 939 KT8)	125 ⁹⁵
ASUS ABN-E (Athlon 64 939 NF4)	147 ⁹⁵
ASUS ABN-SLI (Athlon 64 939 NF4)	184 ⁹⁵

HARD DRIVES

SEAGATE EIDE (PATA)	
40GB (ST340014A) 2mb 5years	70 ⁹⁵
80GB (ST380011A) 2mb 5years	95 ⁹⁵
120GB (ST3120022A) 2mb 5years	93 ⁹⁵
120GB (ST3120026A) 8mb 5years	105 ⁹⁵
160GB (ST3160023A) 8mb 5years	114 ⁹⁵
200GB (ST3200822A) 8mb 5years	146 ⁹⁵
250GB (ST3250823A) 8mb 5years	167 ⁹⁵
SEAGATE SERIAL (SATA) 2TA	
80GB (ST380017AS) 8mb SA 2TA	85 ⁹⁵
120GB (ST3120027AS) 8mb SA 2TA	113 ⁹⁵
160GB (ST3160027AS) 8mb SA 2TA	121 ⁹⁵
200GB (ST3200823AS) 8mb SA 2TA	156 ⁹⁵
250GB (ST3250823AS) 8mb SA 2TA	224 ⁹⁵
300GB (ST3300831AS) 8mb SA 2TA	225 ⁹⁵
400GB (ST3400832AS) 8mb	380 ⁹⁵

CASES

GREY-TECH	
GT-488U (450 watts, USB, Black)	44 ⁹⁵
RM4C4S w/ Rackmount	179 ⁹⁵
ANTEC	
SONATA II (450 watts, USB)	144 ⁹⁵
SLK1650/B (350 watts, USB)	79 ⁹⁵
SLK2650/BQ (350 watts, USB)	99 ⁹⁵
P180 Extreme Case (11 bays, 3 x 12cm fans, ducted video cooling, no power)	171 ⁹⁵

See ALL our cases at www.greytech.com

Shop online at
www.greytech.com

OPTICAL DRIVES

CD-ROMS	
Liteon 52x	19 ⁹⁵
DVD-ROMS	
LG/Liteon DVD 16X	33 ⁹⁵ /33 ⁹⁵
CD WRITERS	
LG (GCE-8527B) 52x32x52	36 ⁹⁵
COMBINATION DRIVES	
LG (4521) 52x CDRW, 16X DVD-R	50 ⁹⁵
DVD WRITERS	
Pioneer (DVR-109) 16x + 16x - 6x DL	67 ⁹⁵
Pioneer (DVR-109EXT External Kit)	159 ⁹⁵
Plextor (PX-740A) 16x + 16x - 6x DL	135 ⁹⁵
Plextor (PX-716SATA) 16x + 8x - Slot	171 ⁹⁵
Plextor (PX-716AL) 16x + 8x - Slot	212 ⁹⁵
LG (41638B) 16x + 16x - DL	71 ⁹⁵
Liteon (16735) 16x + 16x - DL	65 ⁹⁵
ASUS (1608P) 16x + 16x - DL	78 ⁹⁵
NEC (3520A) 16x + 16x - DL	78 ⁹⁵

DVD DUPLICATORS

Push a button and make up to nine copies of a DVD or CD. Simple to use. Self Contained. Easy to read LCD Display. Designed for continuous operation.

5 Target unit (#GT-DVD057097)	799 ⁹⁵
7 Target unit (#GT-DVD056516)	939 ⁹⁵
9 Target unit (#GT-DVD056517)	1219 ⁹⁵

VIDEO CARDS

ASUS	
R9250-TD 128MB DVI, AGP	55 ⁹⁵
R9550GE-TD 128MB DVI, AGP	88 ⁹⁵
X300SE 128MB, TVout, PCIE	84 ⁹⁵
X600XTD 128MB, TVout, PCIE	260 ⁹⁵
X700PRO 256MB, TVout, PCIE	244 ⁹⁵
EN6800GT 128MB, PCIE	236 ⁹⁵
EN6800GT 256MB, PCIE	514 ⁹⁵
X800XL-2TD 256MB, DVI, PCIE	356 ⁹⁵
X800XT-2TD 256MB, AGP	596 ⁹⁵
X850XT-2HD 256MB, DVI, PCIE	622 ⁹⁵
ATI TECHNOLOGIES	
X800XL 256MB, DVI, PCIE	404 ⁹⁵
AIW X600 Pro 256MB, DVI, PCIE	259 ⁹⁵
AIW X800XT 256MB, DVI, AGP	492 ⁹⁵
SAPPHIRE	
X300SE 128MB, DVI, PCIE	69 ⁹⁵
X600PRO 128MB/256MB, PCIE 109 ⁹⁵ /119 ⁹⁵	
9600XT 128MB, DVI, AGP	122 ⁹⁵
X800XL 256MB, DVI, PCIE	388 ⁹⁵
X850XT 256MB, DVI, PCIE	494 ⁹⁵
GIGABYTE	
NX66T128D 128MB, DVI, PCIE	218 ⁹⁵

TV TUNER/CAPTURE

HAUPPAUGE	
701 WINTY GO EXTERNAL TUNER USB	97 ⁹⁵
990 WINTY-PVR 350 REMOTE MPEG2	228 ⁹⁵
ATI	
TV-Wonder Pro TUNER PCI	97 ⁹⁵
PLEXTOR	
PX-TV100U CONVERTX USB2 MPEG2	138 ⁹⁵
ASUS	
TV FM Card w/REMOTE CONTROL	60 ⁹⁵

POWER SUPPLIES

ENERMAX	
Dual Fan 350 watts	59 ⁹⁵
NoiseTaker EG425P 420 watts	83 ⁹⁵
NoiseTaker EG495 485 watts	95 ⁹⁵
NoiseTaker All-In-One 600 watts	178 ⁹⁵
GREY-TECH 500 watts, CSA	24 ⁹⁵
OCZ Modstream 450 watts 24 pin 104 ⁹⁵	
ANTEC TrueControl 550 watts	140 ⁹⁵

LCD MONITORS

The World's Fastest LCD Display



ViewSonic VX724

- 17 inch 1280x1024
- 550:1 contrast ratio
- 4ms response time
- 270 mits brightness
- Analog and Digital

\$409⁹⁵
(Available August 10th, 2005)

VIEWSONIC	
17" VE710B 25ms 450:1	326 ⁹⁵
17" VX724 4ms (available early Aug)	409 ⁹⁵
17" VP171B-2 8ms 500:1 DVI	424 ⁹⁵
19" VG900B 25ms 600:1	424 ⁹⁵
19" VX924 4ms 550:1 DVI	529 ⁹⁵
19" VP191B-8 8ms 700:1, DVI, rotatable, full spectrum for photographic work	574 ⁹⁵
20" VP201B 16ms 400:1	788 ⁹⁵
21" VP211B 16ms 600:1	1072 ⁹⁵
23" VP231WB wide 16ms 500:1	1871 ⁹⁵
SAMSUNG	
17" T13V 25ms 500:1	370 ⁹⁵
17" T17X 12ms 500:1 DVI	595 ⁹⁵
19" 910V 25ms 800:1	562 ⁹⁵
19" 913VII 12ms 800:1	445 ⁹⁵
ACER	
17" AL1715W 12ms 450:1	285 ⁹⁵
19" AL1913B 23ms 600:1	358 ⁹⁵
BENQ	
17" FP71G+ 8ms 600:1	356 ⁹⁵
17" FP71V+ 10ms 500:1	441 ⁹⁵
19" FP91G+ 8ms 550:1	485 ⁹⁵

DVD / CD MEDIA



Save on DVD and CD media when you purchase in quantity

ProDisc DVD Media

DVD-R 8x	50 pack \$21 ⁹⁵ , 200 pack \$77 ⁹⁵
DVD-R 8x white inkjet printable surface	50 pack \$23 ⁹⁵ , 200 pack \$79 ⁹⁵
DVD+R 16x	50 pack \$31 ⁹⁵ , 200 pack \$116 ⁹⁵

Ritek DVD Media

DVD-R 4x white inkjet printable surface	50 pack \$23 ⁹⁵ , 200 pack \$85 ⁹⁵
DVD-R 8x	50 pack \$24 ⁹⁵ , 200 pack \$89 ⁹⁵
DVD-R 8x white inkjet printable surface	50 pack \$24 ⁹⁵ , 200 pack \$89 ⁹⁵

Ritek CD-R Media

Ritek 700mb 100 pack \$20 ⁹⁵ , 200 pack \$36 ⁹⁵	
Ritek 700mb white inkjet printable surface	100 pack \$26 ⁹⁵ , 400 pack \$95 ⁹⁵

Professional CD/DVD Labels


Regular White Face	100 pack \$8 ⁹⁵
Glossy Photo White Face	50 pack \$17 ⁹⁵

DVD/JEWEL CASES

Jewel Case Single Acrylic	29 ⁹⁵
Pack of 50, \$11 ⁹⁵ , 100, \$22 ⁹⁵ , 200, \$40 ⁹⁵	
Jewel Case Single Acrylic (Slims)	21 ⁹⁵
Pack of 50, \$8 ⁹⁵ , 100, \$16 ⁹⁵ , 200, \$28 ⁹⁵	
Jewel Case Double Acrylic	39 ⁹⁵
Pack of 50, \$14 ⁹⁵ , 100, \$26 ⁹⁵ , 200, \$48 ⁹⁵	
DVD Case Single Vinyl	59 ⁹⁵
Pack of 50, \$17 ⁹⁵ , 100, \$32 ⁹⁵ , 200, \$58 ⁹⁵	
SPECIAL DVD Case DOUBLE Vinyl	39 ⁹⁵
Pack of 50, \$12 ⁹⁵ , 100, \$23 ⁹⁵ , 200, \$42 ⁹⁵	
DVD Case Single Vinyl (Slims)	59 ⁹⁵
Pack of 50, \$17 ⁹⁵ , 100, \$32 ⁹⁵ , 200, \$58 ⁹⁵	

LCD TELEVISIONS

ViewSonic N3000W
30" High Definition Television



Viewsonic's N3000W HD LCD television is second to none in quality and price.

- 30" Wide-screen, high-definition television
- Gaming compatible 16ms computer mode
- Intense colour, high contrast
- Multiple inputs including DVI
- True 1280x768 resolution
- Build in stereo speakers
- Build in tuner

\$1550

VIEWSONIC N1750W 17" TV with HD 720p 1280x768 resolution	631 ⁹⁵
VIEWSONIC N3000W 30" TV with HD 720p 1280x768 resolution	1550 ⁹⁵
VIEWSONIC N3200W 32" TV with HD 720p 1280x768 resolution	1729 ⁹⁵
VIEWSONIC N4000WP 40" TV with HD 720p 1280x768 resolution	4435 ⁹⁵

NETWORKING

Dlink



Share your high speed internet connection!

\$47⁹⁵

Dlink's DI-604 Router with 4 port switch	
WIRELESS NETWORKING	
Dlink Wireless Router DI-524 (g)	68 ⁹⁵
Dlink Wireless Router DI-624 (g)	92 ⁹⁵
Dlink Wireless PCI Card DNL-G510 (g)	56 ⁹⁵
Dlink Wireless PCI Card DNL-G520 (g)	68 ⁹⁵
Dlink Wireless PCCARD DNL-G530 (g)	59 ⁹⁵
Dlink Wireless PCCARD DNL-G550 (g)	68 ⁹⁵
Dlink Wireless Access Point DNL-2100AP (g)	127 ⁹⁵
Dlink Wireless PCI Card DNL-520+ (4tb)	54 ⁹⁵
Dlink Wireless USB Port DNL-122 (b)	45 ⁹⁵
Asus Wireless PCI Card with ext. ant. (g)	48 ⁹⁵
Linksys Wireless Router BEFW1154 (g)	69 ⁹⁵
Linksys Wireless Router WRT54G (g)	80 ⁹⁵
Linksys Wireless Kit WPC54G (g)	131 ⁹⁵
ROUTERS	
Dlink Router 4-port DI-604	47 ⁹⁵
Dlink Router 4-port w/LPT DI-704P	78 ⁹⁵
Dlink Router 4-port Portable DNL-G730ap	88 ⁹⁵
Linksys Router 4-port NR041	50 ⁹⁵
ADAPTERS	
Dlink 10/100 NIC DFE-538-TX (PCI)	12 ⁹⁵
Dlink 10/100 NIC DGE-530T (PCI)	34 ⁹⁵
PCMCIA/CARDBUS	
Dlink 10/100 NIC DFE-6507X (Cardbus)	45 ⁹⁵
HUBS & SWITCHES	
Dlink Switch 5-port 10/100 DGS-1002	102 ⁹⁵
Dlink Switch 8-port 10/100 DGS-1000	164 ⁹⁵
Dlink Switch 5-port DSS-5	38 ⁹⁵
Dlink Switch 8-port 10/100 DSS-8	44 ⁹⁵
Dlink Switch 16-port 10/100 DSS-16	103 ⁹⁵
Dlink Switch 24-port 10/100 DSS-1024D	150 ⁹⁵
Linksys Switch 4-port PS4	80 ⁹⁵

All trademarks and trade names are used to identify entities claiming the marks and names of their products. Grey-Tech Computer Inc. disclaims any interest in trademarks or trade names except its own. Accurate 06/17/03

Assembling Panoramic Photos: A Designer's Notebook

By various French authors, translated by William Rodarmor

Published by O'Reilly ISBN 0-596-00875-5

Paperback, 96 pages Price: \$27.95



Digital photography makes it feasible to construct a panorama by seamlessly stitching several photos together. There are a number of variables involved, however. This book gives eight French photographers the chance to tell us how they do it. The presentations are quite detailed, cover a variety of approaches and are very well illustrated. O'Reilly presently has four titles in the A Designer's Notebook series. They follow

the same format, being anthologies of several artists' work. This approach allows the best work of each to be presented, which generally results in the series having excellent content overall. They are also attractively priced. Highly recommended.

Photoshop Elements 3 and Corel (Jasc) Paint Shop Pro. When you copy an image and paste it onto itself, the pasted image resides on a new layer. The blend mode of this layer is, by default, set to Normal and the opacity is set to 100 percent. The image looks the same because the pasted layer has the identical characteristics of the base image. But set the blend mode to Multiply and things happen. Multiply mode is conceptually like taking an identical image that's on clear film and laying it on the existing image. This increases the density of the photo, making the whole image look darker and revealing detail that was not apparent before. If one layer isn't enough, you can add more. If the effect of a Multiply layer is too great, you can reduce it by setting the opacity slider to a lower percentage.

The Clone tool is a very useful general-purpose retouching tool that is good for filling scratches, voids and tears, because you can sample a nearby area to closely match the colours and tones, making the repair invisible. It works like a brush. You select the source area, which the clone tool uses as a pattern for the brush strokes, then paint the area to be fixed. You can vary the width of the brush, adjust the edge effect (hard to feathered), the opacity of the stroke (0 to 100 per cent) and also the blend mode. For example, in fixing a scratch, which shows as a white line, try setting the blend mode to Darken.

More recent versions of Photoshop and also Photoshop Elements 3 include a Healing brush, which is very good at removing blemishes or repairing damage in areas of continuous tone. Setting up the parameters of the healing brush is similar to the clone tool. There is a variation called Spot Healing that doesn't use a source area target to calculate the repair values. Rather, it calculates the proper values using the area immediately surrounding the spot to be repaired. As the name implies this tool works best with small areas – spots – that need repair.

Another overall technique that works for large areas that have even tones or regular texture is to cut a portion from a good area and past it over a damaged area. You can move the patch to match an underlying pattern and use other tools like dodge and burn to match slight tonal variations.

There are a number of other tools, particularly in Photoshop CS, that you can use for photo restoration. However, with the above you should be able to accomplish a lot. One overall thought to keep in mind is that restoration is time-consuming, and progress can be extremely slow, especially when it comes to reconstructing areas with lots of critical detail such as facial features. This is very much a situation where patience has its rewards.

By David Tanaka

Questions and comments about David Tanaka's monthly column can be sent to digitalimaging@ppublishing.ca.

SYSNOV Company Inc.

please visit us on line at
WWW.SYSNOV.COM
(905) 602-9088 or 1-866-4SYSNOV

OFFICE & HOME

Repair, maintenance
and Networking
CCTV Security Systems

SMALL BUSINESS

VoIP PBX Systems
Network file
& Print systems
Web Hosting
& E-Commerce Solutions

ENTERTAINMENT

Free to Air Satellite
TV Systems
TV/FM PC recording systems
(PVR)
Bluetooth GPS Systems
PC Gaming Systems

PC UPGRADE SPECIAL

****\$399.00****

MBoard..... ASUS P4S800
CPU..... P4 3.0GHz 800FSB
RAM..... 512MB DDR

Install or Upgrade your Business Phone System
with our VoIP Business Solutions

Extension @ Anywhere

- * Multiple extensions can be accessed anywhere
- * Save \$\$\$ on phone services
- * Easy to install and use
- * Voicemail can be checked as email
- * Works over any High Speed Internet connection

1550 South Gateway Rd. Unit 2B (111)
Mississauga, ON. L4W 5G6

We are open 7 days a week
Mon-Sat 10am to 8pm
Sun 10am to 6pm

CanadaSys (Retail)
EverChannel (Dealers)

North York
789 Lawrence West
Tel: (416) 781-7738
Open 7 Days Now
Business Hours

Lawrence
Dufferin

Markham
#4, 7080 Warden
Tel: (905) 307-7738
Open 7 Days

404 Warden
Steels Ave

Scarborough
2931 Lawrence East
Tel: (416) 269-7738
Sunday Closed

Lawrence
Brimley

Monday -- Friday: 11am -- 7pm Saturday: 11am -- 6pm; Sunday: 11am -- 5pm

Desktops



Sempron 2400 \$295

Sempron 2600 \$315

ASRock K7VM3 Board

256M / 80G 7200r / Floppy

ATX Case / 52X CDROM

Modem / Sound / Lan

Keyboard / Mouse / Spk

Athlon64 3000 \$815

Athlon64 3200 \$865

Asus A8N-E MB (Wireless)

OCZ 512M Dual Channel

ATI X600Pro 256M (PCI-E)

160G SATA / 16x DVD-RW

High Quality Case / DVD

FD / KB / Optical Mouse

Altec Lansing Subwoofer

Intel P4-2.4G \$415

Intel P4-3.0G \$485

ASRock P4VM8 Mainboard

256M / 80G 7200r / Floppy

ATX Case / 52X CD-Writer

Modem / Sound / Lan

Keyboard / Mouse / Spk

Intel P4-3.0G \$495

ASRock P4V88 Mainboard

256M / 80G 7200r / Floppy

ATI R7000 64M / Modem

ATX Case / 52X CD Writer

Keyboard / Mouse / Spk

Intel P4-3.0G \$775

Intel P4-3.2G \$829

Asus P5GD1 Mainboard

OCZ 512M Dual Channel

ATI X300SE 128M (PCI-E)

160G SATA HD / Floppy

High Quality Case / Modem

16x DVD Burner / 16x DVD

Keyboard / Optical Mouse

Altec Lansing Subwoofer

Laptops



Asus Z71V

Centrino1.7(533) \$1545

Centrino1.8(533) \$1609

Centrino2.0(533) \$1779

15.4" WSXGA+ (1680 x 1050)

128M nVidia 6600 PCI-E

512M DDR2 / 60G 5400r 8M

DVD CDRW Combo Drive

Wireless-G / Gigabit Lan

Upgr to 1G / 2G DDR2

Dual Channel.....\$75 / 200

Upgr to 60G / 80G SATA

Hard Drive.....\$49 / 75

Upgr to 8x DVDWR dual.....\$149

Extra Main Battery.....\$149

2 more year warranty.....\$149

Asus Z33A \$1379

Centrino 1.7G / DVD-CDRW

40G 5400r / 12" / 802.11G

Asus Z63A \$1389

Centrino 1.7G / 14" Wide

512M DDR2 / 60G 5400r 8M

Combo / 802.11G / Gigabit Lan

Asus Z70V \$1589

Centrino 1.7G / 15.4" / Combo

512M DDR2 / 60G 5400r 8M

ATI X600 64M / 802.11G

Asus Z91N \$1145

Centrino 1.7 / 15" / DVD-CDRW

40G 5400r 8M / 256M / 802.11G

Asus Z80K \$1429

AMD A64 3400+ / 15" SXGA

DVD-CDRW / 60G 5400r 8M

802.11G / ATI R9700 128M

Asus A6NE \$1379

Centrino 1.6G / 512M / 60G

15.4" / 802.11G / XP Pro

8x DVDWR / 2-yr Warranty

Acer AS3502NLCI \$769

Celeron M 1.4G / 256M / 40G

15" / 802.11G / Combo

Acer AS1690LCI \$1099

Centrino 1.5G / 256M / 40G

15" / 802.11G / Combo / XPH

Acer AS1694WLCI \$1899

Centrino 1.8G / 1024M / 100G

15.4" / 802.11G / DVD+RW

ATI X600 64M / XP Home

Acer AS1804WSMI \$2099

P4-3.2G/1024M/100G/802.11G

17"/DVDWR/ X600 128M / XPH

Acer AS3002WLCI \$865

Sempron 2800+ / 256M / 40G

15.4" / 802.11G / Combo / XPH

Acer AS5002WLCI \$1149

AMD Turion 64 3000/512M/80G

15.4" / 802.11G / DVDWR / XPH

Acer Ferrari 3400LMI \$2379

AMD A64 3400+ / 512M / 80G

15" / 802.11G / DVDWR / XP Pro

For more savings & options visit www.CanadaSys.com

Optical Drive

16X DVD.....\$27

52X CDRW.....\$29

DVD Re-Writers

LG 16X (4163B).....\$57

NEC 16X (3520).....\$64

Pioneer 16X (109).....\$71

Hard Drive

IDE / 7200rpm

80G / 2M.....\$67

80G / 160 (8M).....\$71 / 101

200 / 250G (8M).....\$122 / 148

300G (16M).....\$209

SATA / 7200rpm

80 / 160G.....\$73 / 108

200 / 250G.....\$130 / 157

Enclosure (USB 2.0)

For 2.5" HD.....\$9

For 3.5" HD.....\$21

For DVD / CDRW.....\$23

Network

Router.....\$21

Network Card

Wireless-G

USB / PCI / PCMCIA.....\$30

DDR Memory

256 M / 512M

DDR400.....\$26 / 49

1024M DDR2 533

Dual Channel.....\$99

Prices already 4% cash discounted & subject to change without notice

Video Card

ATI Radeon AGP

9250 128M.....\$47

9200 256M.....\$65

9600 256M.....\$96

ATI PCI Express 256M (16x)

X600 / X700.....\$124 / 227

NVIDIA Geforce

Asus 6600GT 128E.....\$229

Asus 6800TD 256E.....\$374

Power Supply

Generic 400W

.....\$13

ThermalTake

430W.....\$47

Case

Std ATX

w/400w.....\$25

Viper Case

w/500w.....\$118

ThermalTake

VB1000.....\$85

(No power Supply)

Antec P160

.....\$129

(No power Supply

Aluminum)

Main Board

For AMD CPUs:

ASRock K7VM3

(w / Video).....\$50

Asus A7V8X / A7N8X.....\$61 / 77

Asus K8N (Socket 754).....\$91

Asus A8N-E (939 / PCI-E).....\$143

Asus A8N-SLI (939 / PCI-E).....\$182

DFI LanParty nF4 Ultra-D.....\$170

For Intel CPUs:

ASRock P4VM8(w / Video).....\$56

ASRock P4V88 (800FSB).....\$59

ASRock 775V88 (LGA775).....\$70

Asus P4S800 / MX(Video).....\$73 / 71

Asus P5GD1 / P5GD2.....\$130/167

Asus P5GD2-Deluxe.....\$239

Asus P5AD2-E Premium.....\$259

For more savings & options visit www.CanadaSys.com

Want more HUB?

Check out
www.hubcanada.com



DV, or Not DV

Automatic Editing for the People

Video is almost always edited before it is shared with anyone.

That's according to our very informal survey, in which readers were asked if they like to go "raw" by sharing, screening or selling unedited video (raw footage on a camera tape).

Many of you said there was a tonne of video footage in the closet, perhaps never to see the light of day, because it needs some editing. But we all know that sorting through hours of videotape can be a tedious and time-consuming process.



Searching out the good parts means watching all the bad parts, too – bad colours, poor exposures, shaky camerawork, and embarrassing moments all have to be edited out before the opus is really ready for prime time, according to most people who wrote in.

That attitude is not necessarily surprising, but it is a little contradictory. Industry sales figures show that video cameras far outsell editing solutions. The Consumer Electronics Association anticipates video camcorder sales of 4.35 million units this year (up from 3.9 million last year), but nowhere near as many editing systems.

So what to do?

Well, interesting solutions for editing video – without a video editing system – do exist.

YesVideo Canada (www.yesvideo.ca) offers one easy way of sorting through unsorted, unedited video. Not only does the company transfer analog or digital video to DVD, it uses its own patented software to automatically identify natural breaks in the footage, turning them into chapter stops on the DVD menu.

Camera start-and-stops can be easily detected, thanks to changes in the record signal that gets laid down on tape. The software also identifies changes in ambient lighting, such as when you move from indoors to outdoors while taping. Those changes are also flagged as chapters.

For about the cost of a store-bought DVD, you get your own disc with

only the
BEST STORES
listed on



Before you shop for electronics, start with PriceNetwork.ca to compare prices, share deals and win prizes! PriceNetwork.ca is Canada's leading price comparison website with thousands of products and hundreds of stores listed.

Visit <http://www.pricenetwork.ca/hubcanada>

FREE SHIPPING
on any premier vendors
listed on Pricenetwork.ca

* Use Online. See site for details. Only for first 50. Up to \$25 only.
Visit <http://www.pricenetwork.ca/hubcanada>

ECS ELITEGROUP

Simply Smart

ECS ELITEGROUP

KN1 SLI

EXTREME

Dual Core

KN1 SLI EXTREME

- Socket 939, AMD Athlon 64/Athlon 64 FX CPU
- NVIDIA nFORCE™4 CK8-04 SLI Single Chip
- Dual-Channel DDR(DDR 400/333/266)
- 2 x PCI Express x16 and 1 x PCI Express x1
- Dual LAN (Giga LAN, 10/100 LAN), IEEE 1394A, Serial ATA, 8-Channel Audio



Visit our web site at www.ECSUSA.com

Model	RS 480-M	KN1 Extreme	NForce4-A939	NForce4-A754
Socket	Socket 939	Socket 939	Socket 939	Socket 754
Processor	AMD Athlon 64/Athlon 64 FX	AMD Athlon 64/Athlon 64 FX	AMD Athlon™ 64/ Athlon™ 64 FX	AMD Athlon™ 64/ Sempron™
Chipset	ATI® RS480+SB400	NVIDIA nFORCE™4 Ultra	NVIDIA nForce™4	NVIDIA nForce™4-4X
Memory	Dual-Channel DDR DDR400/333/266 DDR SDRAM	Dual-Channel DDR DDR400/333/266/200 DDR SDRAM	Dual-Channel DDR DDR400/333/266 DDR SDRAM	DDR400/333/266/200 DDR SDRAM
Graphics	On Chip Radeon X300 based	PCI Express x16	PCI Express x16	PCI Express x16
Communication	10/100 LAN	Dual LAN	Giga LAN	Giga LAN
Others	Serial ATA, 6-Channel Audio	IEEE 1394A, Serial ATA, 6-Channel Audio	Serial ATA, 6-Channel Audio	Serial ATA, 6-Channel Audio

A. G. Computers
(416)967-7485

Elz Inc.
(905)940-1818

NCIX.com
(604)288-8080

U Computer
(416)293-9933

Acetec Computers Inc.
(905)276-3891

Filtech Computer
(416)204-9904

PC Village
(905)889-5488

UR Computer Co.
(416)499-7890

Tomken Technologies Corp.
(905)625-9889

FJ Computers
(416)496-3979

PCCom Corp
(416)781-0496

Canada Computers
(905)946-9688

Infonoc Computers
(416)410-5481

Premier Computer Canada
(416)251-2215

Compumemories
(416)232-2777

Liata Computer Co.
(905)804-9488

Big Fist Computers
(905)471-3974

2005 Elitegroup Computer Systems. All Rights Reserved. All trademarks are properties of their respective holders. Intel®, Pentium® are owned by Intel. SIS® is owned by SIS. VIA® is owned by VIA. AMD is owned by Advanced Micro Devices, Inc.

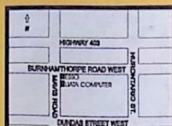
Liata Computer

Your One Stop Computer Store

3611 Mavis Road, Unit 16
Mississauga, Ontario
sales@liata.com
Tel: 905.804.9488
Fax: 905.804.9507

Business Hours:
Mon-Fri: 9:00AM - 8:30PM
Sat: 10:00AM - 7:00PM
Sun: Closed

For Latest Pricing and Products, visit:
www.liata.com



Second driveway south of Burnhamthorpe Rd. West

MERCURY-750



BURROM 1.5
\$299

Mercury K/M266M-U Motherboard
256MB PC3200 DDR RAM
1.44MB Floppy Drive
WD 52/32/52 CD-Rewriter w/NERO
Maxtor 40GB 7200RPM HDD
Video/LAN/Audio
Pair of Speaker
PS2 Keyboard & Mouse
ATX Mid Tower Case
1 Year Parts & 3 Year Labour Warranty

ADM 939



Althon 64 3000+
\$839
Althon 64 3200+
\$899

ASUS A8V Motherboard
OC2 1GB Premier Dual Channel DDR RAM
1.44MB Floppy Drive
LG 4163B 16X DVD+/-RW Dual Layer
WD 160GB SATA II HDD
ASUS 6600 128MB PCI-Express Video
Onboard LAN and Audio
Pair of Speaker
Logitech Cordless LX300 KB & Mouse
Skyhawk 4658 Aluminum Mid Tower Case
1 Year Parts & 3 Year Labour Warranty

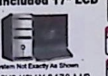
LIFESTYLE-775



Included 17" LCD
P4 330 3.0GHz
\$888
P4 330 3.2GHz
\$953

ASUS P5GD1 Motherboard
512MB PC3200 Dual Channel DDR RAM
LG 4163B 16X DVD+/-RW Dual Layer
WD 160GB 7200RPM HDD
ASUS 6200 256MB Video
Dell 17" LCD Monitor
Onboard LAN and Audio
Speaker with Subwoofer
Logitech Cordless LX300 KB & Mouse
A319 Mid Tower Case
1 Year Parts & 3 Year Labour Warranty

AMD GAMER



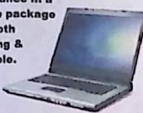
Included 17" LCD
Sempron 2800+
\$873
Althon 64 2800+
\$918
Althon 64 3000+
\$999

ASUS KBVX S478 M/B
512MB PC3200 Dual Channel DDR RAM
1.44MB Floppy Drive
LG 4163B 16X DVD+/-RW Dual Layer
WD 80GB 7200RPM HDD
ATI Radeon 9600PRO 256MB Video
Dell 17" LCD Monitor
Onboard LAN/Audio
Speaker with Subwoofer
Logitech Cordless LX300 KB & Mouse
Gamer Case w/front USB
1 Year Parts & 3 Year Labour Warranty

BACK TO SCHOOL SPECIAL EARLY BIRD EDITION

ACER Aspire™ 3502

Designed to deliver high performance in a portable package that's both appealing & affordable.



\$728

CONFIGURATIONS:

- Microsoft® Windows® XP Home
- Intel Celeron M 1.4GHz
- 256MB RAM, 40GB hard drive
- Integrated CD-RW/DVD-ROM combo drive
- 15" TFT with Acer® CrystalBrite Technology
- 802.11b/g Wireless LAN, 10/100 LAN, modem

ASUS Notebook



\$2138

Intel Centrino 750 1.8GHz (Dothan)
Microsoft Windows XP Professional
512MB DDR2 Memory
14" WXGA Widescreen "Color Shine" LCD
ATI Mobility Radeon X800 Graphic
DVD+RW Dual Layer, Bluetooth, WiFi 802.11g
40GB Hard Drive



\$1388

Intel Centrino 750 1.8GHz (Dothan)
Microsoft Windows XP Professional
512MB DDR2 Memory
15.4" WXGA Widescreen "Color Shine" LCD
8x DVD+RW Dual Layer, WiFi 802.11g
Card Reader
60GB Hard Drive

WE CAN BEAT ANY ADVERTISED PRICE

Dell E173FP 17" LCD



16ms Response Time
Brightness (Typical): 260 cd/m2
Contrast Ratio: 450:1
Max/Native Resolution: 1024 x 768
Emissions Standard: TCO '99

\$265

NEC 3540 16X DVD+/-RW Burner



\$56

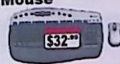
Viewsonic VA702b 17" LCD Black



12ms Response Time
Brightness (Typical): 300 cd/m2
Contrast Ratio: 500:1
Max/Native Resolution: 1024 x 768
Emissions Standard: TCO '99

\$296

Microsoft Wireless Keyboard and Mouse



\$32**

LaCie 160GB d2 HDD with Triple Interface

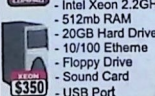


This Powerful drive provides the convenient and universal triple connectivity of USB 2.0, Firewire, and Firewire 800.

\$238

REFURBISHED

Compaq Evo W6000



\$350

P4 2.0GHz

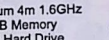
- Intel Xeon 2.0GHz
- 256MB Memory
- 40GB Hard Drive
- CDROM Drive
- 10/100 Ethernet
- Floppy Drive
- LAN/Audio/Video
- USB Ports

\$268



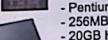
- Pentium 4 M 1.6GHz
- 512MB Memory
- 40GB Hard Drive
- DVD-CDRW Combo Drive
- Wireless Network
- 56K/LAN/Audio/Video
- USB Ports
- Windows XP Pro.

\$1138



- Pentium 4 M 1.6GHz
- 256MB Memory
- 20GB Hard Drive
- CDROM Drive
- 10/100 Ethernet
- 56K Modem
- LAN/Audio/Video
- USB Ports

\$690



- Pentium 4 M 1.9GHz
- 256MB Memory
- 20GB Hard Drive
- DVD-ROM Drive
- 56K Modem
- 15" TFT Display
- LAN/Audio/Video
- Windows XP Pro.

\$738

Resellers Welcome, we carry a wide range of computer parts and accessories



Model: HP585D

Best Value • Best Choice
ORION



Super Silent



ATX 12V v2.01



Dual Fans



Serial ATA



PCI EXPRESS



24 (24+4) PIN Connector

- ⇒ 20+4 Main Power Connector Supports Latest "LGA775 Motherboards" and "PCI Express Video Cards"
- ⇒ Super Quiet Technology: Smart Fan Control Function Keeps Noise Level Under 22dBA
- ⇒ Excellent Protection Functions Provide Maximum Reliability: OVP (Over-Voltage Protection), UVP (Under-Voltage Protection), OPP (Over-Power Protection), SCP (Short-Circuit Protection)
- ⇒ Over and under voltage protection
- ⇒ High Efficiency (>75%)
- ⇒ High Energy Power With Low Ripple Noise
- ⇒ 100% Hi-Pot, Chroma & Burn-in Function Tested

Distribute exclusively by Liata



New Slim Case
470 x 140 x 360 mm

Support Motherboard:
- ATX
- Micro ATX
- Flex

Visit Our Website for More Case

Soyo SY-TechAID Debug Diagnostic Card

Conduct a complete hardware diagnostic test to detect defective hardware quick & Easy. Just Plug into the PCI slot of the motherboard.



GlobalSat Bluetooth GPS Receiver

Orion Series Power Supply

- XP320
- XP400D
- XP480D
- XP550
- HP485D*
- HP585D*

* 24Pin, Dual Fan, SATA & 6Pin PCI-E

Evotec Aluminum Power Supply

- LP6100C 300Watts
- LP6100P 400Watts

HEC Silent Series Power Supply

ENERMAX Series Power Supply



All prices are 3% discounted for cash or debit, any other form of payment will be at regular price. We reserve the right to limit quantities. All Logos & register trademarks are of their respective companies. Liata not responsible for typo errors.

up to two hours of video and 54 chapter stops. A thumbnail pictorial index is included. YesVideo can also create a 60-second highlight music video from your footage – with music of your choice – using its auto edit system, which counts musical beats to select edit points and puts transitions between them.

For those who want more control over how their video gets edited, there's HomeMovie.com.

Its new Affiniti is an enhanced online environment where, with just a computer and Internet connection, you can edit your own videos online, deleting footage you don't want, creating titles, adding menus, chapter stops, a still image gallery and more to your raw footage.

Having mailed your raw video footage to the company, and after they digitize it and open your account, you edit through a unique Web-based editing interface that is really quite easy to use. You scroll through your footage online, selecting start and stop points along the way with simple mouse clicks. Then, choosing from among several available type fonts, colours and backgrounds, you can create your own customized menu.

Users can also preset and determine who has viewing access to the material; once the information is entered, an email invitation is sent out with a hotlink for easy and immediate viewing.

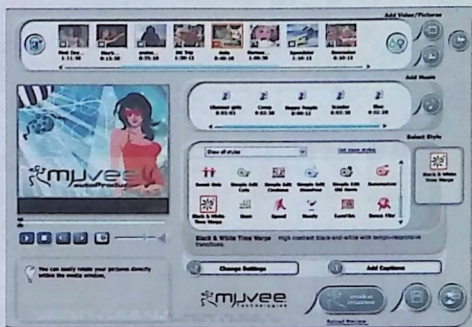
With Affiniti, users can scan through an entire two-hour video in a matter of seconds – a handy and convenient online feature – or navigate through the program just like a DVD. The company reports that some customers just use the service to screen and scroll through their

video footage, but many others enjoy the full editing process.

The company will store up to 20 hours of video online for about \$10 a month, and will also sell you a \$20 DVD of the final edit (there's a small fee per digitized tape).

Video is delivered as a 350-kilobit stream, in a 340x240 window. It looks and plays just like your DVD – complete with chapter menus, thumbnails and custom chapter markers. The DVD itself comes with a custom cover and case, and looks and plays just like store-bought discs.

muvee Technologies offers a very unique video-editing product (although it is a PC-based solution that requires some computer knowledge and set-up to use).



Sonaggi
COMPUTERS
Service, Selection, Solutions, Satisfaction
Tel: 416-850-9742
WWW.sonaggi.com

BACK TO SCHOOL

FREE PARKING AT REAR

Business Hours
Monday – Saturday
10:00 A.M. – 8:00 P.M.
Holiday & Sunday

5323 YONGE ST. Toronto ON M2N 5R4

Free 17" CRT Monitor
Free Upgrade 80G HDD

\$ 599 Intel Celeron D 320 (2.4GHz)
256MB DDR PC400
40GB Samsung 7200RPM Hard Drive
32X Samsung CD-RW
Microsoft Windows XP Home
McAfee Virus Scan 2005

Free Upgrade 17" LCD Flat Panel
Free Lexmark Photo All-In-One Printer
Free Microsoft Work Suite 2005

\$ 1199 Intel Pentium M 530J (3 GHz) HT Technology
512 MB DDR PC 400, 160GB Samsung 8MB Cache Hard Drive
16X DVD+RW Samsung optical drive, Logitech X-100 Speaker, Logitech Keyboard, Optical Mouse, Microsoft Windows XP Home,
McAfee Virus Scan 2005

Free Upgrade 17" LCD Flat Panel
Free Upgrade 160G HDD

\$ 899 Intel Celeron D 330 (2.4GHz) 512MB DDR
PC400, 80GB Samsung 7200RPM Hard Drive,
DVD+RW Samsung Combo drive, Logitech X-100 Speaker, Logitech Keyboard, Optical Mouse,
Microsoft Windows XP Home, McAfee Virus Scan 2005

NOTEBOOKS

Acer Aspire 1694 WLM \$1649
Intel Pentium M 770 (1.8GHz) 1GB DDR2 1000MB hard drive, DVD-RW, ATI X700 Graphics
MS Windows XP Home, Norton Anti Virus 2005

Asus A6B \$1499
Intel Pentium M 770 (1.8GHz) 1GB DDR2 1000MB hard drive, DVD-RW, optical drive, Integrated 0.35 MP Camera,
MS Windows XP Home, Norton Anti Virus 2005

Acer Aspire 3502 LCi \$849
Intel Celeron M 440 (1.3GHz) 1GB DDR2 1000MB hard drive, DVD-RW, optical drive, Integrated 0.35 MP Camera,
MS Windows XP Home, Norton Anti Virus 2005

LCD Monitor

Philips 170S8
17" LCD Monitor

\$ 259

Laser Printer

Samsung 1610
Laser Printer

\$ 139

Speaker

Logitech X-230
2.1 Speaker

\$ 45

Head set

LG Microphone
Headset

\$ 8

DVD-R

Ridata 5X 50Pack
DVD-R

\$ 6

DVD Writer

LG 16X Dual Layer
DVD-RW 4163B

\$ 55

Storage

Samsung 160GB
SATA

\$ 109

HP COMPAQ/DEMO PRODUCTS
P4 DESKTOPS | TOWER | LAPTOPS

OFF-LEASE COMPUTERS / NOTEBOOKS
CLEARANCE PRICED | BLOW OUT SALE |

WE DO REPAIR NOTEBOOK, MOTHER BOARD, CPU PIN



PRESENTS ITS Bi-Monthly PHOTO SPREE

THE CHALLENGE: Summer fun

WIN!

Epson Stylus Photo R320

A fast, full-featured performer, the Epson Stylus Photo R320 makes printing brilliant, long-lasting photos a snap. It prints directly on ink jet printable CD-Rs and DVD-Rs, so it's easy to customize each disk.

This versatile printer includes a color monitor to view, select and crop photos. Print from popular memory cards or PictBridge-enabled digital cameras. For beautiful frame-ready photos, take advantage of BorderFree printing.



THE RULES: You must use a digital camera to capture the subject. Work can be submitted via email (contest@publishing.ca). Accompanying your photo should be the make and model of the camera you used, the names of any software you used to modify the image and, if possible, the f/stop and shutter speed you used to take the photo.

Submit your photographs, along with the information from the form below, by August 15, 2005. You can submit up to three photographs, all of which must be accompanied by a submission form. Entries must be submitted via email. Files should be no bigger than 500 KB and no smaller than 300 KB. One photo per email.

Contest Rules: Prizes must be claimed by September 19 2005. Winners must provide valid identification upon claiming prize. The prizes awarded are not transferable and cannot be redeemed for cash. To enter and to be eligible to win, persons must be residents of Canada, and not employees or be domiciled with an employee of Piccolo Publishing, its affiliate companies, or advertising or promotional agencies. The winners will be selected by HUB on August 17, 2005 from among all eligible entries received on or before contest close date. Winners will be contacted by telephone or email. In the event that they cannot be contacted within the first week following the contest another entrant will be selected. All entries become the property of HUB and may be used in subsequent advertisements for the contest. All entries must be submitted by their artist and must be original work.

HUB's Photo Spree contest form. All submissions must contain this information. Send to contest@publishing.ca

Deadline: August 15, 2005

Name:

Address:

E-Mail:

Phone Number:

Age:

Occupation/School:

Title of Entry:

Camera Used:

Software Used:

LOOKING FOR A UPS.....FOR LESS?

REPLACEMENT BATTERIES

Brand New APC Equivalent

RBC2 \$19 RBC7 \$94

RBC3 \$39 RBC8 \$79

RBC4 \$33 RBC9 \$39

RBC5 \$39 RBC11 \$188

RBC6 \$76 RBC12 \$188

**APC Smart-UPS 1500VA
USB**

~~Street Price \$799~~

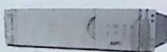
Our Price \$329



**APC Smart-UPS 2200VA
Rackmount 3U**

~~Street Price \$1299~~

Our Price \$499



1 YEAR WARRANTY ON ALL REFURBISHED UPS SYSTEMS Brand New Batteries Installed!!!

APC Back-UPS Pro 280VA

~~Street Price \$189~~

Our Price \$35



APC Smart-UPS 700VA

~~Street Price \$349~~

Our Price \$99



APC Smart-UPS 1000VA

~~Street Price \$499~~

Our Price \$169



APC Smart-UPS 1400VA

~~Street Price \$699~~

Our Price \$239



WHY UPSforLESS?

- Up to 80% savings from new.
- Canada's Largest Refurbished UPS supplier.
- Government & Educational P.O.'s welcome.
- Reseller Discount Programs.
- We purchase old UPS systems
- Trade-ins welcome

APC
Legendary Reliability®

**OVER 3000 UPS UNITS
& BATTERIES IN STOCK
280VA - 5000VA**



UPS FOR LESS

experts in uninterruptible power supplies

www.upsforless.ca

TOLL FREE (866) 577-3628

FREE SHIPPING*

on all UPS purchases
over \$250 within GTA
(Valid to 08/31/05)

7880 Woodbine Ave. Unit D
(Rear of Building)
Markham, ON
Tel: (905) 477-9315
sales@upsforless.com
Monday - Friday : 9 - 5

HOME
Best Value

\$629

Intel Pentium 4 - 530 w/ HT Technology
3GHz, 1MB L2 Cache, 800MHz FSB
ASUS P5LD2-VM 1945G PCI-E Mainboard
512MB DDR2-533 SDRAM Memory
80GB Seagate SATA Hard Drive 7200rpm
LG DVD Writer 16X DVD±RW Drive
Integrated Sound & 2.1 Speakers System
Integrated Intel 10/100 Ethernet LAN
16" Front USB Tower Case 350W Power
Optical Mouse & Internet Keyboard
* Monitor not included
(Optional: Add Windows XP Home for \$99)

D-PRO
Pentium D

\$1199
with 17" LCD

Intel Pentium D - 830 Dual-Core Design
3.06GHz, 2x1MB L2 Cache, 800MHz FSB
17" LG L1750S LCD Flat Panel Display
ASUS P5LD2-VM 1945G PCI-E Mainboard
512MB DDR2-533 SDRAM Memory
160GB WD SATA Hard Drive 7200rpm
ATI X300SE 128MB PCI-Express Graphics
LG DVD Writer 16X DVD±RW Drive
Integrated Sound & 2.1 Speakers System
Integrated 100/1000 Gigabit Ethernet
16" Front USB Tower Case 350W Power
Optical Mouse & Internet Keyboard
1.44MB Floppy Drive
(Optional: Add Windows XP Home for \$99)

D-POWER
Pentium D

\$1629
with 17" LCD

Intel Pentium D - 840 Dual-Core Design
3.20GHz, 2x1MB L2 Cache, 800MHz FSB
17" LG L1750S LCD Flat Panel Display
ASUS P5LD2-VM 1945G PCI-E Mainboard
OCZ 1GB Dual Channel DDR2-533 VALUE
200GB WD SATA Hard Drive 7200rpm
ATI X600PRO 256MB PCI-Express Graphics
LG DVD Writer 16X DVD±RW Drive
Integrated Sound & 2.1 Speakers System
Integrated 100/1000 Gigabit Ethernet
16" Front USB Black Tower 430W Power
Microsoft Optical Mouse & Keyboard
1.44MB Floppy Drive
(Optional: Windows XP Home for \$99)

E-Gamer
3800Bp

\$2129
with 19" LCD

AMD Athlon 64 - 3800Bp Socket 939
with AMD64 Original Retail Fan & Cooler
19" Samsung 915N-II 8ms LCD Display
ASUS ABN-SLI nForce4 SLI Motherboard
OCZ 2GB Dual Channel DDR-400 VALUE
300GB Maxtor SATA HD w/16MB Cache
ASUS EN600GT 128MB PCI-E Graphics
Pioneer DVD Writer 16X DVD±RW Drive
Sound Blaster Audigy 2 ZS Sound Card
Logitech 5.1 Speakers Surround System
Integrated 100/1000 Gigabit Ethernet
16" Front USB Black Tower 430W Power
Microsoft Optical Mouse & Keyboard
1.44MB Floppy Drive

\$29.00 Only
Canon Color Printer
with system purchase



3-Yr Parts Warranty on CPU, Motherboard, HDD & Monitor
1-Yr Warranty on other parts

HOME
Internet

\$389

Intel Celeron D 330 2.66GHz LGA775
256KB L2 Cache, 533MHz FSB
ASRock Intel chipset 1915GL Mainboard
256MB DDR400 SDRAM Memory
80GB WD ATA100 Hard Drive 7200rpm
Intel Graphics Media Accelerator 900
LG DVD-ROM IDE Drive
Realtek ALC850 8 channel AC'97 Audio
Integrated 10/100 Fast Ethernet LAN
16" Front USB Tower Case 350W Power
* Monitor not included
(Optional: Add Windows XP Home for \$99)

PRO-S
Performance

\$999
with 17" LCD

Intel Pentium 4 - 530 w/ HT Technology
3.06GHz, 1MB L2 Cache, 800MHz FSB
17" LG L1750S LCD Flat Panel Display
ASUS P5LD2-VM 1945G PCI-E Mainboard
512MB DDR2-533 SDRAM Memory
160GB WD SATA Hard Drive 7200rpm
ATI X300SE 128MB PCI-Express Graphics
LG DVD Writer 16X DVD±RW Drive
Integrated Sound & 2.1 Speakers System
Integrated 100/1000 Gigabit Ethernet
16" Front USB Tower Case 350W Power
Optical Mouse & Internet Keyboard
1.44MB Floppy Drive
(Optional: Add Windows XP Home for \$99)

GAMER
Dream

\$1269
with 17" LCD

AMD Athlon 64 - 3200Bp Socket 939
with AMD64 Original Retail Fan & Cooler
17" LG L1750S LCD Flat Panel Display
ASUS ABN-SLI nForce4 SLI Motherboard
OCZ 1GB Dual Channel DDR-400 VALUE
160GB WD SATA Hard Drive 7200rpm
NVIDIA 6600TD 256MB PCI-E Graphics
LG DVD Writer 16X DVD±RW Drive
Integrated Sound & 2.1 Speakers System
Integrated 100/1000 Gigabit Ethernet
16" Front USB Black Tower 430W Power
Optical Mouse & Internet Keyboard
1.44MB Floppy Drive
(Optional: Add Windows XP Home for \$99)

CASH ONLY SPECIALS

Hard Drive	
80GB WD IDE 8MB Cache 7200rpm	\$ 69
160GB WD IDE 8MB Cache 7200rpm	\$ 69
160GB WD SATA 8MB Cache 7200rpm	\$ 105
250GB WD SATA 8MB Cache 7200rpm	\$ 125
250GB WD SATA 16MB Cache 7200rpm	\$ 145
80GB Seagate SATA 8MB 7200rpm	\$ 78
160GB Seagate SATA 8MB 7200rpm	\$ 109
200GB Maxtor SATA 16MB 7200rpm	\$ 128
250GB Maxtor SATA 16MB 7200rpm	\$ 148

DVD Writer (w/ software)	
LG 16X 4163B DL DVD±RW	\$ 50
Pioneer 16X DVR-109 DL DVD±RW	\$ 63
Plexor 16X 745A DL DVD±RW	\$ 115
Plexor 16X 716SA SATA DL DVD±RW	\$ 165

Wireless Networking	
D-Link Wireless-G DUL-822C Starter Kit w/ wireless-G Router + USB Adaptor	\$ 79
Linksys Wireless-G 4-port Router	\$ 69
Linksys Wireless-G USB Adaptor	\$ 59
D-Link Wireless-G Notebook DUL-G650	\$ 59

Sandisk	
512MB ULTRA II SD CARD	\$ 72
1GB SECURE DIGITAL SD CARD	\$ 69
512MB ULTRA II COMPACT FLASH	\$ 59
1GB ULTRA II COMPACT FLASH	\$ 115
2GB ULTRA II COMPACT FLASH	\$ 229
512MB Memory Stick Pro Duo	\$ 79
1GB Memory Stick Pro Duo	\$ 125

Tel. 905.513.7072
shop@eskyne.com
**3255 HWY. 7 EAST, UNIT 62
MARKHAM, L3R3P9**
Store Hours:

Mon.-Fri.	11am to 8pm
Saturday	11am to 6pm
Sunday	12 noon to 5pm

HWY. 7 East

Two traffic lights east
of Woodbine Ave. Next to
Golf Town, inside the mall.

Hwy 404 N.
Woodbine Ave.
eSkyNET
Professional
IT Services

Web Development - Shopping Cart
On-Site Service - Networking
Upgrades - Repairs - Support
Software / Hardware Installation

Please call 905-513-7072 for details
or email to us

services@eskyne.com

**CASH
SALE**


LG 17" L1750S 12ms \$289
LG 19" L1950S 12ms \$389
LG L172WT LCDTV Wide \$579
Samsung 710N-II 8ms \$339
Samsung 915N-II 8ms \$449
Viewsonic VA702b 12ms \$299

All comes with 3-Year Warranty

WACOM

Wacom pen tablets are the fastest,
most comfortable way
to work with your computer.

WACOM GRAPHIRE3 4"X5" \$ 99
WACOM GRAPHIRE3 6"X8" \$ 199
WACOM INTUOS3 4"X5" \$ 249
WACOM INTUOS3 6"X8" \$ 359

All things to everyone?

Multi-function digicam tries to do it all

Getting six devices for the price of one can't be a bad thing, right? Despite the fact that some functions of the DVx digital video camera from budget camera maker Concord feel tacked on just to be able to claim six devices in one, the unit itself is, as a whole, decent.

An MPEG-4 digital video camera, 2-megapixel digital camera, digital audio player voice recorder and (for the aforementioned add-ons) "high intensity LED flashlight" and SD/MMC card reader, the DVx does a lot. But does it do it right?

As a flashlight and SD/MMC card reader, sure it does. Other, more important functions work, and in some cases work well, but none is truly exceptional.

Digital video

Users can record video in MPEG-4 format to SD card at either 320x240 or 640x480 resolution with a variety of quality settings. A few "special effects" settings can also be applied to raw video as it's recorded with simple sepia, black & white, RG or B filtering settings. By giving access to several different ISO settings from 100 to 800, the DVx does more than one might expect on the video front from a device whose nets are cast so wide.

While shooting video, however, users can't turn on the white LEDs



THORNHILL

180 STEELES AVE. W. #30
TEL 905-762-9811 / 9813
FAX 905-762-9812
Mon-Fri 11:00-8:30
Sat-Sun 11:00-6:00

★ STEELES AVE. W.

FINCH AVE. W.

YONGE ST.

MICROPOINT COMPUTERS

Visit us at

www.micropointcomputer.com

* All Prices are Already 4% Cash Discounted and Subject to Change Without Notice *

LAPTOP

Special

Acier Travelmat

2304 LCI \$899
15" XGA/Cel-M 1.3G/256M
40GB/CDRW+DVD/LAN
Modem/Wireless/XP-Home

TM4150LCI \$1199

15" Centrino 1.5G/256M
60GB/CDRW+DVD/LAN
Modem/Wireless/XP-Pro

ECS 536 \$779

15" XFT /Sempron-M 2600+
256M/40GB/CDRW+DVD
LAN/Modem/Wireless/Lan

ASUS NOTEBOOK

ASUS Z80K \$1389
AMD ATHLON 64 3000+
15" XGA/256M/60GB
DVD+CDRW/LAN/Modem
ATI R9700 PRO / Wireless

ASUS Z91N \$1089

15" XGA/Centrino 1.6G
256M/40GB/CDRW+DVD

ASUS MB6NE \$1499

15.4" WXGA/Centrino 1.6G
512M/60GB/CDRW+DVD
ATI Radeon 9700 / Wireless
More.... Our website

\$429

INTEL P4 2.8 Ghz
ASROCK P4H45GV M/B
256 MB DDR333 RAM
80 GB HDD 7200 RPM
INTEL 6MB Graphics
52X/23X/25X CD-RW
PS/2 KB / MOUSE
FRONT USB CASE
P-4 2.4GHZ \$379

\$289

CELERON D 2.4 Ghz
ECS PM800-M2 M/B
256MB DDR RAM
40 GB HDD 7200RPM
64MB 4X VIDEO
52X CD-ROM DRIVE
SOUND / LAN / FDD
PS/2 KB / MOUSE
FRONT USB CASE
P-4 2.4 GHZ +\$69

\$499

P4 3.0E Ghz 800Mhz
ASUS P4P800-MX M/B
512MB DDR400 RAM
80 GB HDD 7200 RPM
Intel Extreme Graphics 2
52X/23X/25X CD-RW
SOUND / LAN / FDD
KB / MOUSE / SPK
FRONT USB CASE
P-4 3.2E +\$49

\$279

Sempron 2400+
ECS KM400-M2 M/B
256 MB DDR RAM
40 GB HDD 7200 RPM
64MB 4X VIDEO
52X CD-ROM DRIVE
SOUND / LAN / FDD
PS/2 KB / MOUSE
FRONT USB CASE
Sempron 2600+ +\$29

\$539

P4 3.0E Ghz 800Mhz
ASUS P4S800 M/B
512MB DDR 400 RAM
80 GB HDD 7200RPM
RADEON 9250 128MB
52X/23X/25X CD-RW
SOUND / LAN / FDD
KB / MOUSE / SPK
FRONT USB CASE
P-4 3.2E +\$49

\$439

AMD Athlon-64 2800+
ASUS K5S-MX (S-754)
512MB DDR 400 RAM
80 GB HDD 7200RPM
REAL 256E GRAPHICS
52X/23X/25X CD-RW
SOUND / LAN / FDD
KB / MOUSE / SPK
FRONT USB CASE
Athlon-64 3000+ +\$39

\$529

P4 3.0 Ghz (LGA775)
ASUS P5S800-VM M/B
512MB DDR 400 RAM
80 GB HDD 7200RPM
REAL 256E GRAPHICS
16X DVD+RW DRIVE
SOUND / LAN / FDD
KB / MOUSE / SPK
ATX FRONT USB CASE
P-4 3.2 G +\$59

\$629

AMD Athlon-64 3000+
ASUS A8N-E M/B (S-939)
512MB DDR 400 RAM
160 GB HDD 7200RPM
RADEON 9250 128M
16X DVD+RW DRIVE
SOUND / GB-LAN / FDD
KB / MOUSE / SPK
FRONT USB CASE
Athlon-64 3200+ +\$59

\$579

P4 3.0 Ghz (LGA775)
ASUS P5GL-MX M/B
512MB DDR 400 RAM
160 GB HDD 7200RPM
INTEL GRAPHICS 900
16X DVD+RW DRIVE
SOUND / GB-LAN / FDD
KB / MOUSE / SPK
FRONT USB CASE
P-4 3.2G +\$59

\$769

AMD Athlon-64 3200+
ASUS A8N-E M/B (S-939)
512MB DDR 400 RAM
160 GB HDD 7200RPM
ATI X600 Pro 256M PCI-E
16X DVD+RW DRIVE
SOUND / GB-LAN / FDD
KB / MOUSE / SPK
FRONT USB CASE
Athlon 64 3500+ +\$59

\$619

P4 3.0 Ghz (LGA775)
ASUS P5P800S M/B
512MB DDR 400 RAM
160 GB HDD 7200RPM
RADEON 9250 128MB
16X DVD+RW DRIVE
SOUND / LAN / FDD
KB / MOUSE / SPK
FRONT USB CASE
P-4 3.2G +\$59

\$799

P4 3.2 Ghz (LGA775)
ASUS P5GD2-X M/B
512MB DDR2 RAM
160 GB HDD 7200RPM
ATI X600 Pro 256M PCI-E
16X DVD+RW DRIVE
SOUND / GB-LAN / FDD
KB / MOUSE / SPK
FRONT USB CASE
P-4 3.4 G +\$79

All system parts are upgradeable / Dealers are welcome

LCD MONITOR

Special

Acer 15" 1511B \$219
Acer 17" 1715 \$269
Acer 17" 1715SMD \$289
Acer 19" 1913B \$379
Acer 19" 1914SMD \$419
Samsung 715V \$285
Samsung 710M \$339
Samsung 910V/913V \$459
LG 17" 1750 LCD \$289
LG 19" 1910S LCD \$399
Samsung 793DF CRT \$129

CDRW / DVD

DVDRW

LG 52X CD-ROM \$19
52X/24X/25X CD-RW \$25
16X DVD-RW \$29
LG CDRW+DVD \$47
LG 16X DVD+RW \$59
Liton 16X DVDWR \$59
BENQ 16X DVDWR \$59
Pioneer 16X DVD+RW \$59
Pioneer 16X DVDWR \$69
Plextor 16X DVDWR \$155

HARD DRIVE

40GB / 80GB \$56/\$66
120GB / 160GB \$85 / \$95
200GB/250GB \$125/\$165
80G/120G 8M \$75 / \$95
160G/200G 8M \$105/\$129
250GB 8M \$169
120G/160G sata \$105/\$115
200G/250G sata \$139/\$175
Notebook HDD
4200RPM 8M Cache:
40G/60G/80G \$89/115/139
5400RPM 16M Cache:
40G/60G/80G \$99/129/159

VIDEO CARD

Radeon 9250 128M \$47
Radeon 9600Pro 256M\$119
Radeon 9600XT 256M\$149
Radeon 9800Pro 256M\$219
X600Pro PCI-E 256M \$125
X800Pro PCI-E 256M \$345
ATI AIW R600 128M\$209
ATI AIW R9800Pro \$315
AIW X600Pro 256M \$259
MSI Nx6600 256M \$199
MSI 6600GT 128M \$239
Linksys Wt54G Router \$79
Linksys WPC Cardbus \$67

WIRELESS

\$4Mb G ROUTER \$65
\$4Mb G PCI Adapter \$39
\$4Mb G USB Adapter \$35
\$4Mb G Cardbus \$35
D-Link G510 G PCI \$59
D-Link G122 G USB \$59
D-Link G630 Cardbus \$59
D-Link G524 G Router \$79
D-Link G624 G Router \$95
Linksys WUSB54G \$67
Linksys WMP54G PCI \$67
Linksys Wt54G Router \$79
Linksys WPC Cardbus \$67

UPGRADE KITS

INTEL Celeron D 2.4 Ghz
ECS PM800-M2 M/B
256 MB DDR333 RAM
----- \$189
AMD SEMPRON 2400+
ECS KM400-M2 M/B
256 MB DDR333 RAM
----- \$175
INTEL P-4 3.0 G LGA775
ASUS P5S800-VM M/B
256 MB DDR333 RAM
----- \$335
INTEL P-4 3.0 G LGA775
ASUS P5P800S M/B
256 MB DDR333 RAM----- \$349

mounted next to the lens to act as a video light, even in "night" shoot-ing mode.

Viewed on the DVx screen or on the PC, video recorded at 15 FPS 640x480 can be slightly jerky, but is better overall than might be expected from a multi-function device such as this.

Digital camera

A short but still noticeable shutter lag mars what is otherwise a good, quick and dirty point and shoot camera's performance in the case of the DVx.

That said, images are produced faithfully from the fixed focus lens. It would by no means replace a standard point and shoot cam, but the camera function performs impressively for an "all things to everyone" device.

Rather than offer a traditional charged flash, the DVx opts for two bright white LEDs that tend to throw a bluish cast when used. At any distance though, this setup is essentially useless.

Music player

The music-playing portion of the DVx is also fairly barebones, as is perhaps to be expected.

It suffers from some usability issues. First and foremost is the fact that getting MP3 files to be recognized as such is an exercise in frustration. Files can only be played from one very specific folder on the device. Said folder has to be inside another specifically named folder,

DVx by Concord

www.concord-cameras.com

Price: \$200

Dimensions (WxHxD): 62x101x17mm

Screen: 1.5-inch TFT LCD

Included storage: 128MB SD

Look:

Multi-function

Great and lightweight

Vertically rotating lens / light assembly

Storage media included

Bad:

No one function truly excels

General slow operation /

Navigation

MP3 player poor

and makes music transfer to the device a chore. Also, the device doesn't support foldering under this directory and rather than display file names, the device kicks up useful track info like "File 1," "File 2" and the current dance hall hit "File 3."

Sound comes across fine but with too few graduations in volume; 21

Free

With ASUS Laptop

ASUS

Notebook

Intel Centrino-1.66 (Z91E) \$1169
15" TFT, 512MB, 40GB HDD, DVD-CDRW, 56K, LAN, WLAN, With 0.35 Mega Pixel Built-In Camera, 4.5 Hrs.

Intel Centrino-1.76 (Z71A) \$1219
15.4" TFT, 512MB, 40GB, DVD-CDRW, 56K, LAN, WLAN, 128MB Video, 1394, Card Reader, 6.5 Hrs, 1.6G+512M+80GB

Intel Centrino-1.76 (Z71V) \$1439
15.4" (1680x1050), 512MB, 40GB, DVD-CDRW, 1394, 56K, GBLAN, WLAN, nVidia 6600 PCI-E 128MB Video, 1.6G+512M+80GB

Intel Centrino-1.66 (Z33A) \$1289
12.1" TFT, 256MB DDR2, 40GB 8MB, DVD-CDRW, 56K, LAN, WLAN, 1394, WLAN, USB2.0, Ultra Slim, 3.5 Hrs

AMD 64 3000+ (Z31K) \$1379
15.4" (1680x1050), 512MB, 40GB, DVD-RW, 1394, 56K, GBLAN, WLAN, ATI Radeon 9200 128MB Video, 3400+1GB+80GB

acer

Aspire 3502NLCI 15" \$719
Celeron M-1.4G, 512MB, 40GB HDD, 15", CD-RW, DVD, 56K, LAN, WIFI (B/G), 4 USB2.0, IEEE1394, Linux Boot

Travelmate 2395LCI 15" \$999
Celeron M-1.4G, 512MB, 40GB HDD, CD-RW, DVD, ATI 9000 Video, 56K, LAN, WIFI (B/G), 4 USB2.0, XP Pro

Aspire 5002WLMI 15.4" \$1139
AMD Turion 300-1.6G, 512MB, 80GB HDD, DVD-RW, 56K, LAN, WIFI (B/G), 4 USB2.0, IEEE1394, TV-out, XP Home

Aspire 1690WLMI 15.4" \$1229
Centrino-1.6G, 512MB DDR2, 80GB HDD, DVD-RW, 56K, LAN, WIFI (B/G), 4 USB2.0, CrystalClear Screen, XP Home

All prices are already 5% cash discounted. Other form of payment will be cash discounted price plus 5%. Price subject to change without notice, 25% re-stocking fee. All sales are final.

PC COM

For more savings, check latest price @ www.pccom.ca

Mon - Fri: 10:30am-7:30pm
Sat: 10:30am-5:00pm

\$459

AMD XP2800+
512M PC3200 DDR
80GB 7200RPM HDD
52x32x52 CD-RW
16x DVD Combo
Video, Sound, LAN
K/B, Mouse, SPK
Add \$160

\$589

Intel P4-3.0G
512M PC3200 DDR
80GB 7200RPM HDD
16x DVD+/-RW
Video, Sound, LAN
400W ATX Case
K/B, Optical Mouse
600W Subwoofer SPK
Add \$120

\$859

Intel P4-3.2G
512M PC3200 DDR
160GB SATA HDD
16x DVD+/-RW
Video, Sound, LAN
450W Gaming Case
K/B, Optical Mouse
600W Subwoofer SPK
Add \$120

\$599

Intel 667/755-3.2G
ASUS P5G01 M/B
512MB PC3200 DDR
160GB SATA 7200RPM
LG 16x DVD+/-RW
Nvidia P4200 256M PCI-E
6 Channel Sound
Gigabit LAN
Ergonomic K/B, Mouse
600W Subwoofer SPK

\$579

Intel P4-3.0G
ASUS OEM AsRock M/B
512MB PC3200 DDR
160GB SATA 7200RPM HDD
LG 16x DVD+/-RW
ATI Radeon9250 256M
6 Channel Sound
10/100 LAN
Free Keyboard, Mouse, Speakers

\$459

Intel P4-3.0G
ASUS OEM AsRock M/B
512MB PC3200 DDR
80GB 7200RPM HDD
LG 16x DVD+/-RW
64MB Video Shared
6 Channel Sound
10/100 LAN
Free Keyboard, Mouse, Speakers

\$289

Intel P4-2.4G
ASUS OEM AsRock M/B
256MB PC2700 DDR
80GB 7200RPM HDD
52x24x52 CD-RW
64MB Video Shared
6 Channel Sound
10/100 LAN
Free K/B, Mouse, SPK
P4-2.4G \$359

\$699

AMD 64 3000+
ASUS K8N Mainboard
512M PC3200 DDR
160GB SATA 7200RPM
LG 16x DVD+/-RW
ATI Radeon9250 256M
6 Channel Sound
Gigabit LAN
Intelnet K/B, Mouse
600W Subwoofer SPK

\$459

AMD 64 2800+
ECS Mainboard
512M PC3200 DDR
80GB 7200RPM HDD
LG 16x DVD+/-RW
ATI Radeon9250 128M
6 Channel Sound
10/100 LAN
K/B, Mouse, Speakers
3000+ \$499

\$389

AMD XP-2800+
ECS Mainboard
512M PC3200 DDR
80GB 7200RPM HDD
LG 16x DVD+/-RW
ATI Radeon9250 128M
6 Channel Sound
10/100 LAN
Free Keyboard, Mouse, Speakers

\$249

Asiatar Mainboard
256MB PC3200 DDR
80GB 7200RPM HDD
52x24x52 CD-RW
64MB Video Shared
6 Channel Sound
10/100 LAN
Add 17" LCD \$259

www.hubcanada.com

August 2005 - HUB: Digital Living - Toronto Section

T0 25

steps from inaudible to ear shattering with steady jumps in between. The earphones that come with the device are of questionable worth.

Voice recorder

A top-mounted microphone of surprising quality with user-selectable record rates from eight to 48 KHz make the DVx a good voice recorder. However, without a microphone-in jack or mic sensitivity level selection its overall usability is questionable.

The mic picks up and reproduces sound well, making it excellent in quiet environments. However, it is properly balanced for neither private dictation nor public lecture settings; the former tends toward distortion if the device is held less than a few feet away from the mouth while with the latter, more than a little ambient noise tends to ruin public recordings.

Flashlight

Two LEDs light up with three levels of user-selected intensity. Fascinating stuff.

SD / MMC card reader

It reads them via USB. Enough said.

The DVx suffers the same fate as many all-in-one devices where one or two functions excel at a cost to others. For bundling a series of consumer electronics devices into one fairly small package, the DVx deserves credit. However, no one function is pulled off without flaws.

By Andrew Moore-Crispin

WWW.KEITCOMPUTER.COM
Email: Sales@keitcomputer.com

24 hours Web Business

Intel Celeron 2.0GHz \$289
Intel P4 2.4GHz \$359

P4VMA-M Mainboard
256MB DDR RAM
Real 3D Graphic 64MB VGA
40GB HDD
52x CDRW
5.1 Channel Sound; LAN
ATX 350W CASE

FREE Kd, optical mouse & speakers
Upgrade to 512MB RAM +\$30
Celeron 2.4G/2.6G/2.8G \$299/\$309/\$329
P4-2.8G/3.0G \$419/\$439

AMD Sempron 2200+ \$269

ASRock K7S41-GX M/B
256MB DDR RAM
Real 3D Graphics VGA
40GB HDD
52x CDRW
5.1 Channel Audio & 10/100 LAN
ATX 350W USB case

FREE Keyboard, Optical Mouse & Speakers
Sempron 2300/2400/2600/2800/3000
\$275/\$289/\$299/\$319/\$339

2022 Sheppard Ave. East
Tel: (416) 493-3300
Fax: (416) 493-3308
Mon-Fri: 10:30-19:00
Sat&Sun: 11:30-16:00

Finch Ave. E
Sheppard Ave. E
HWY 404

2022 Sheppard Ave. East
Tel: (416) 493-3300
Fax: (416) 493-3308
Mon-Fri: 10:30-19:00
Sat&Sun: 11:30-16:00

Intel Pentium 4 3.0GHz \$499

ASUS P4800-M/B
256M DDR 400 RAM
ATI Radeon 9250 128MB
80GB 7200rpm HDD
52x32x52 CD-RW
6-Channel Audio & 10/100 LAN
ATX 350W USB CASE

Keyboard, Optical mouse & Speaker
P4-2.26/2.4/2.6/2.8/3.0 \$419/\$439/\$459/\$479/\$499
Celeron 2.0G/2.4G/2.6G/2.8G \$299/\$309/\$329/\$349
ADD Windows XP Home Ed +\$119
Windows XP Pro/Media Centre Ed +\$169
Windows XP Pro x64 +\$199

High Power \$549

Pentium 4 3.0 E Ghz

ASUS P4800-MX
512MB DDR400
80GB 7200rpm 8MB
16x DVD+-R Rewriter
ATX USB CASE
6-Channel Audio / Gigabit LAN
Keyboard, Optical Mouse
Shockwave SC-3 Speakers
2.4A/3.2E \$479/\$599
Upgrade to 1GB DDR +\$65
Dual Channel RAM +\$10

NEW POWER \$629

Intel P4 530 3.0J L775
ASUS P5GD1-VM M/B (775 Socket)
512MB Dual Channel DDR400
SATA 160GB 7200rpm 8M
16x DVD+-R Rewriter
6-Channel Audio / Gb LAN
ATX 350W USB CASE

Cordless Rechargeable - Multimedia KB & Optical Mouse
Shockwave SC-3 Speakers
P4-3.2/3.4/3.6/3.8 \$679/\$759/\$919/\$1169
All-in-Black Add \$20

AMD Sempron 2400+ \$369

AMD Sempron 2400+

ASUS A7N8X-X M/B
256MB DDR RAM
ATI RADEON 7000 64MB
6 Channel Audio & S/PDIF
80GB 7200rpm HDD
52x32x52 CD-RW
ATX 350W USB case & 10/100 LAN
Keyboard, Optical Mouse & Speaker
Change to S2200/2600/2800/3000-
\$349/\$379/\$399/\$419

Special of the Month

AMD Athlon 64 2800+
ASUS K8V-X (K8T800 Chipset)
512MB DDR 400 RAM
ATI RADEON 9250 128MB
80GB 7200rpm 8M Buffer
16X DVD+-R Rewriter
6-Channel Audio / LAN
ATX TOWER CASE
Keyboard & Optical Mouse
ShockWave SC-3 Speakers
CPU: 3000+/3200+/3400+ \$559/609/639
Sempron 2600/2800/3000 \$459/479/499
3500+ (S939) w/ ASUS A8V-DX \$775

Level Up \$1099

Intel P4 630 3.0GHz (2MB L2, EM64T)
ASUS P5AD2 E-DX M/B
1G Dual Channel DDR2-400
ATI X600 Pro PCIE 256MB
SATA 200GB 7200rpm
16x DVD+-R Rewriter
6-Channel Audio / Gigabit LAN
ATX USB CASE w/ Enernmax 420W
Cordless Rechargeable - Multimedia KB & Optical Mouse
ShockWave SC-3 Speakers
3.2/3.4/3.6/3.8 \$1159/1299/1499/1859
Celeron 2.6/2.8/3.0 \$935/949/989

** ALL KEIT computer systems come with 1 year part and 2 years labour hardware warranty **

MONITORS

Direction LCD 15"/17" (16ms)/19" \$205/\$269/\$349
KDS K717S 17" LCD \$259
LG 1750S / BenQ FP737 (after \$50 Mt Rebate) \$285/\$285
Samsung 170EM 17" LCD \$309
C.R.T.

17" Samsung 793D/FLG 17" 170BHD (Dark Gray) \$129/\$115

MAIN BOARD

Intel P4VMA-M \$51
ASUS P4800-MX P4800-MX E-DX \$677/1159/\$1499
ASUS P5GD1 (775 socket) -VM C-VX \$1329/\$1319/\$1499
ASUS P5GD1-X/DX Premium/PCSC-VX \$1329/\$1319/\$1499
ASUS P5P81/P5A21-E-DX \$119/\$151
ASUS P5ND1 SLI DX P5LD1-DX \$275/\$319

AMD

ASRock K7S41-GX/BIOS M7V7CA (\$2200 + M/B combo) \$115/\$119
ASUS A7V400/MX/ATX/BIOS-VX/ATX \$62/\$73/\$84
ASUS A7N8X-X/ATX/BIOS-VX/ATX \$72/\$86/\$99/\$115
ASUS K8V-X/ATX/BIOS-VX/ATX \$70/\$85/\$93/\$115
ASUS A8V-DX/ATX/BIOS-VX/ATX \$118/\$146/\$156/\$175
MSI K7N2-P/BIOS K7N2 Platinum/SLI (\$339) \$123/\$166/\$236

HARD DRIVE

MAXTOR 6M40G /80G \$59/\$65
(8M) 80G/120G/160G \$69/\$85/\$99
(16MB) 200G/250G/300G \$115/\$139/\$189
SATA 120G/160/200/250/300/400G \$89/99/123/145/195/219
SEAGATE (5 years warranty) \$62/\$68
(8M) 120/160/200/250/300/400G \$92/100/116/140/192/209
SATA 160/120/160/200/250/300 \$73/97/104/131/145/158

Western Digital

(8M) 40G/80/120/160/200/250G \$64/68/92/113/135
SATA 80G/120G/160G/200G/250G/300G \$69/94/97/118/139/189
Call for SCSI & 10000 rpm HDD...and more
WD 36.7GB Serial ATA 10k rpm 8MB \$139
WD 74GB Serial ATA 10k rpm 8MB \$215
Nitec H.D.D.
Fujitsu 5400rpm 40G/60G/80G/100G \$79/102/135/\$25
Fujitsu SATA 60G/80G \$145/\$205

VIDEO CARD

ATI X800 Pro 128MB/256MB/512MB \$169/\$275/\$322
ATI X800 Pro 128MB/256MB/512MB \$169/\$275/\$322
ATI X800 Pro 128MB/256MB/512MB \$169/\$275/\$322
ATI X800 Pro 128MB/256MB/512MB \$169/\$275/\$322
ATI X800 Pro 128MB/256MB/512MB \$169/\$275/\$322
ATI X800 Pro 128MB/256MB/512MB \$169/\$275/\$322
ATI X800 Pro 128MB/256MB/512MB \$169/\$275/\$322
ATI X800 Pro 128MB/256MB/512MB \$169/\$275/\$322
ATI X800 Pro 128MB/256MB/512MB \$169/\$275/\$322
ATI X800 Pro 128MB/256MB/512MB \$169/\$275/\$322

Optical Drive

LG 52x CD-ROM/16x DVDROM \$17/\$26
LG 52x32x52 CD-RW/Black \$27/\$29
LG 52x CD-RW & 16x DVD Combo SONY Black \$46/\$48
LG 16x DVD RW 4163/Black \$55/\$57
Sony 16x DVD RW Q28A/Black \$59/\$61
PIONEER 16x DVD RW 109/Black \$62/\$64

Network & Modem

Linksys Wireless-G PCI/PCMCIA/USB \$63/\$63/\$63
Linksys Wireless-G Router (WRT54G) \$75
D-Link Wireless Router DI524/624 \$69/\$90
D-Link Wireless-G PCI/PCMCIA/USB \$49/\$49/\$59
D-Link 4-Port Router \$42
Netcore PCI Network Adapter \$10
Netcore wireless adapter-G PCI/USB \$39/\$39
Aopen 5-port Switch & 4-port Switch \$35/\$35
Netcore 56K PCI Modem/Aopen SVV \$14/\$16

SOUND CARD

Aopen 4.1 PCI/5.1 PCI \$15/19
SB Live 2.4 bit/Analog 2 Value \$33/\$50
SB Audigy 2 7.1/2S/5.1/Platinum Pro \$79/111/149/\$229/\$249
All prices are already 4% cash discounted, prices and availability are subject to change without notice. We reserve rights for any typing errors. All items are new products and are registered trademarks of their respective companies. *We promise if any part has a problem in warranty we will exchange it with a new one (except physically damaged & any retail box products). Pictures may not be the same as real products. 0508

Good News: New Laptop on sale as low as \$799
More detail on web

LCD monitors from \$209
Mp3 & Flash Disk 256MB \$59.99
Shockwave Speakers from \$35



Sonnam Computer

www.sonnam.com
sales@sonnam.com

457 Spadina Ave.
Toronto, ON. M5S 2G7
Tel: (416)598-0557
Fax: (416)598-2150
Mon-Sat (11AM-7PM)

600 Gerrard St. E. #4
Eden Shopping Centre
Toronto, ON. M4M 1Y3
Tel: (416)465-2226
Fax: (416)465-4994
Mon-Sat (11AM-7PM)

421 Bentley St. Unit 8
Markham, ON. L3R 9T2
Tel: (905)475-2356
Fax: (905)475-2685
Mon-Fri (9AM-5:30PM)

CD-R 700MB 48x
Shiny Silver
100/pk

\$15.99

RiDATA DVD-R
Silver
8X / 50Pk

\$21.99

TALON DVD-R
Silver Inkjet
8X / 100pk

\$34.99

Matrox G450
Dual VGA
32M AGP

\$49.99

PowerColor Radeon
9250 128M AGP
9550 256M AGP

\$45.99
\$75.99

PNY Verto AGP
Fx5900SE
128M TVO

\$169

Samsung 715V
Black LCD

\$289

Flat Monitor
Samsung 17" 793DF

\$119

Anti-Spyware
Spy Sweeper
Retail Box

\$39.99

Jewel Case Special

CD Slim Color (200pk)	\$30
CD Slim Clear (200pk)	\$40
CD Regular Single (100pk)	\$30
CD Regular Double (100pk)	\$35
CD 4-in-1 (100pk)	\$70
DVD Slim Single (100pk)	\$15
DVD Slim Double (100pk)	\$15
DVD Regular Single (100pk)	\$20
DVD Regular Double (100pk)	\$20
DVD 4-in-1 (100pk)	\$99
DVD 6-in-1 (100pk)	\$149
DVD 6-in-1 Flip (100pk)	\$179
DVD 8-in-1 (100pk)	\$129
DVD 10-in-1 (100pk)	\$159

3Com NIC
3C905CX-TX-NM
10/100

\$12.99

Intel Pro100/S
PCI NIC
10/100

\$13.99

Power Supply
ATX 2.03
P4-250W

\$13.99

LG CDRW
52x24x52

\$29.99

Pioneer DVR-109
Dual Layer
16X

\$49.99

HP LightScribe
16X
Dual Layer
Retail Box

\$149

Targus Defcon1
Laptop Lock
w/ Alarm

\$29.99

CD Duplicator
1 to 1
Stand-alone

\$199

DVD Duplicator
1 to 1
Stand-alone

\$349

Maxtor 200GB
16M Buffer
OEM

\$119

Sempron Bundle
AMD Sempron 2300+
Sempron MB
Video/Audio/LAN
CD-ROM
ATX Case

\$199

P4 Bundle
Intel P4-2.4G CPU
P4 5478 MB
Video/Audio/LAN
DVD-ROM
ATX Case

\$299

DVD Duplicators

***Fully stand-alone**
***No Mouse, KB required**
***One button to operate**
***Supports CD-R/W**
***Supports DVD±R/W**
***Auto detect writing speed**

1 to 1	\$349
1 to 3	\$749
1 to 7	\$1199
1 to 9	\$1399

Samsung 793DF Monitor for \$99 with system purchased

Toshiba Sat. A60
Celeron D 2.8GHz
15" XGA LCD
256MB DDR
CDRW+DVD
60GB HDD
56K / LAN/WiFi
MS Windows XP
1 years warranty

\$1299

HP Nx9030 PM 1.5G
Pentium M 1.5G
15" XGA TFT
256MB DDR
40GB HDD
CDRW+DVD
56K / LAN/WiFi
MS XP Pro
1 Year warranty

\$1499

Acer Aspire A2012
Pentium M 1.5G
512MB DDR
40GB HDD
CDRW+DVD
56K/LAN/WiFi
15.4" TFT
MS XP Pro
1 Year Warranty

\$1559

Sony VAIO VGN-S1702
Pentium M 1.5A
13.3" WXGA
256MB DDR
60GB HDD
CDRW+DVD
56K/LAN/WiFi
MS XP Home
1 years warranty

\$2150

Compaq P4 - 1.5GHz
256MB DDR
20GB HDD
Floppy
CD-ROM
Audio/Video/LAN
Mouse & KB
30 days warranty

\$339 **\$399**

AMD XP 2800+
AMD XP MB
512MB DDR
80GB HDD
DVD-ROM
Audio / Video
LAN/ Speaker
Mouse & KB
1 years warranty

\$499

Intel Celeron 2.4G
Pentium 4 MB
512MB DDR
DVD-ROM
40GB HDD
Floppy Drive
Audio / Video
LAN/ Speaker
Mouse & KB
1 years warranty

\$399

AMD 64 - 2800+
ASUS K8 MB
512MB DDR
DVD-CDRW
160GB HDD
Audio / Video
LAN/ Speaker
Mouse & KB
Win XP Home
1 years warranty

\$699

BusinessVision
EPSON
symbol
Wasp
TECHNOLOGIES

Point of Sale Hardware Bundle & System

\$1389
Bundle Only

- Hi-Speed Thermal Receipt Printer USB
- Compact 5-Bill-6-Coin 2PC Cash Drawer
- POS Keyboard, 104Keys with Magnet Card Reader
- Bar Code Scanner Kit with Holder
- Display Pole
- BusinessVision LE starts from \$500.00 (Optional)
- Contact us for more information...

\$2799
w/ LCD System

Contact us at: (905)475-2356 *** Authorized Reseller of BusinessVision®, Epson®, Symbol®, Wasp® & Zebra® and more ***

PRICE & AVAILABILITY ARE SUBJECT TO CHANGE WITHOUT NOTICE. WE RESERVE THE RIGHTS TO LIMITED THE QUANTITIES. ALL PRICES ALREADY CASH DISCOUNTED. CREDIT CARD (VISA/MASTERCARD) ADD 3%.

IPTV coming to a set near you

The history of the 75-year-old TV is paved with revolutionary milestones, from black and white transmission to a colour picture and stereo audio to the birth of digital television, which includes stunning high-definition broadcasts and multi-channel surround sound.

So, what's next you ask?

Simply, it's called IPTV. And it may be the biggest thing to happen to television since its inception.

IPTV stands for Internet Protocol Television. This means that the audio

and video signal will be streamed to your home via a network connection not unlike the broadband "fat pipe" that offers you high-speed Internet access.

Keep in mind, this is not streaming video via a Web site – it's a new way of delivering digital television content to your home over copper wire with a handful of advantages the likes of which we've never seen.

"This doesn't sound so revolutionary," you're thinking. Ok, so here's just a sampling of what IPTV can offer in the years to come:



- **Interactive television:** Imagine watching an episode of *Desperate Housewives*, and if you like the blouse worn by Susan Mayer (Teri Hatcher), you simply click on it with your remote or wireless mouse, which brings up an online store on the right-hand-side of the screen. You can also interact with the content on the show, such as answering questions during *Who Wants to Be a Millionaire* to compete for real cash and prizes against other at-home contestants.

- **Chat with your friends** via instant messenger on the bottom of the screen while watching your favourite movie. Or simultaneously surf the Web, read blogs and pick up email in one window while your favourite show plays in another.





**DESIGNED FOR SPEED.
PRICED TO GO FAST.**

Aero Note
www.aeropen.com
 1-877-289-2360

LIMITED EDITION RACING NOTEBOOK

- Powered by Intel® Centrino® Mobile Technology
- Designed for Formula One fans
- 15.4" wide screen with superior graphics
- Internal TV tuner available

\$1,599
From

Limited time offer while supplies last. See store for details. © 2005 Intel Corporation. Intel, Intel Inside and the Intel Inside Centrino logo are trademarks and/or registered trademarks of Intel Corporation and its subsidiaries in the United States or other countries. All rights reserved. *Other names and brands may be claimed as the property of their respective owners.

- **Use your television like a telephone** so you can talk via your TV (using Voice Over Internet Protocol, or VoIP) and even see who's calling on your screen before you decide to answer it. You will even be able to access cell phone voicemail and text messages via an interface on your boob tube. Similarly, you will be able to take advantage of online ordering right from your TV; press a couple of buttons on the remote to order a pizza – and select all the toppings, too!

- **Wirelessly access all of your computer's files in the den** – such as MP3s, digital photos and camcorder footage – so you can enjoy the experience on your big-screen television with home theatre sound. Now you don't need to get the family to hover over a small monitor to see recent pics of the kids: simply press a button on your TV and a slide show begins, complete with fancy transition effects and music.

- **With Video on Demand (VOD)** you can choose to watch virtually any movie ever made and it will start playing when you tell it to. Now you don't have to leave your house to rent a DVD at a local video store and return that piece of plastic within a few days. Any movie, any time.

- **Sign up to receive alerts and customized messages** to highlight

North York
2899 Steeles Ave. West Unit #14
(Keele/Steeles)
Tel: 416.597.1196
Fax: 416.597.1197

Markham
3229 Hwy 7 E #7
(Hwy 7/Woodbine)
Tel: 905.947.9118
Fax: 905.947.1921

Toronto
604 Yonge Street
(Yonge/Bloor)
Tel: 416.978.9208
Fax: 416.978.9291

Toronto
4040 Sheppard Ave. East Unit #21
(Yonge/Eglinton)
Tel: 416.322.2221
Fax: 416.322.0227

Scarborough
4020 Sheppard Ave. East Unit #21
(McCowan/Sheppard)
Tel: 416.335.0077
Fax: 416.335.3200

Richmond Hill
245 W. Beaver Creek Rd. Unit #3
(Leslie/Hwy 7)
Tel: 905.889.5400
Fax: 905.889.0603

Mississauga
Coming Soon

SUPER SPECIAL

BEST DEAL

DIAMOND SYSTEM

INTEL P4 CELERON 2.4G CPU
P4 MB, 256 MB DDR
40GB 7200RPM HDD
SAMSUNG 52X32X52 CD-RW
32M AGP VIDEO CARD (SHARED)
32 BIT SOUND CARD, 1.44 FLOPPY DRIVE
10/100 NETWORK CARD
BLACK ATX MID TOWER CASE
BLACK KEYBOARD/MOUSE
BLACK 120W SPEAKERS



INTEL P4-2.4G CPU
P4 MB, 256 MB DDR
40GB 7200RPM HDD
SAMSUNG 52X32X52 CD-RW
32M AGP VIDEO CARD (SHARED)
32BIT SOUND CARD, 10/100 NETWORK CARD
ATX MID TOWER CASE, 1.44 FLOPPY
104 KEYBOARD/MOUSE
120W SPEAKERS
17" SAMSUNG 793DF FLAT SCREEN



INTEL P4 3.0G CPU
ASUS P4S800D-X MB, 512M DDR400
80GB 7200RPM SATA HDD, 1.44 FLOPPY DRIVE
BENQ 1620 DVD+/-RW DUAL LAYER
ATI RADEON 9250 128M AGP VIDEO CARD
32 BIT SOUND CARD, 10/100 NETWORK CARD
600W SUBWOOFER WITH SPEAKERS
BLACK ATX MID TOWER CASE
BLACK BENQ KEYBOARD/OPTICAL MOUSE
17" BENQ FP767 LCD (16 MS)



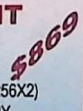
ALL SYSTEMS WITH FIVE YEARS LABOUR & ONE YEAR PARTS WARRANTY

939 AMD 64BIT

MONTHLY SPECIAL

MAGMA SYSTEM

AMD 64BIT ATHLON 3000+ CPU
GIGABYTE GA-K8NC-939
OCZ 512MB DDR400 DUAL CHANNEL (256X2)
80GB 7200RPM SATA HDD, 1.44 FLOPPY
BENQ 1620 DVD+/-RW DUAL LAYER
ATI RADEON 9250 128M VIDEO CARD
10/100/1000 NETWORK CARD,
32BIT SOUND CARD, ATX MID TOWER
600W SPEAKERS WITH SUBWOOFER
BENQ KEYBOARD/OPTICAL MOUSE
17" BENQ FP737 LCD (16 MS)



PQI 512MB DDR400 (LIFE TIME) \$59
17" BENQ FP737 LCD (DIGITAL) \$289
SAMSUNG 17" 710N2(8MS) LCD \$309
SAMSUNG 19" 915N2(8MS) LCD \$439
SAMSUNG 19" 913V LCD \$369
AOPEN 1608 DVD+/-RW DUAL LAYER \$46
BENQ 1620 DVD+/-RW DUAL LAYER \$47
SAMSUNG 80GB SATA HDD 7200RPM \$68
SAMSUNG 120GB HDD 7200RPM \$79
SAMSUNG 1520 LASER PRINTER \$99
SAMSUNG 2250 LASER PRINTER \$185

INTEL P4 530/3.0GHZ CPU (LGA 775)
ASUS P5P800 MB
PQI 1GB DDR400 DUAL CHANNEL (512X2)
120GB 7200RPM HDD, 1.44 FLOPPY
BENQ 1620 DVD+/-RW DUAL LAYER
ATI RADEON 9250 128M VIDEO CARD
CREATIVE S.B. LIVE 5.1, 10/100/1000 NETWORK
600W SPEAKERS WITH SUBWOOFER
ATX MID TOWER WITH P4 POWER SUPPLY
BENQ KEYBOARD/OPTICAL MOUSE
17" BENQ FP716 LCD (12 MS)



ALL PRICE ARE ALREADY 3% CASH DISCOUNTED. PRICE SUBJECT TO CHANGE WITHOUT NOTICE

Hard Drive

Video Card

Sound Card

CD/DVD/CD RW

Ethernet

Printer

IDE-HDD	7200 RPM	SERIAL ATA
MAXTOR	40GB	\$58
	80GB	\$68
	120GB	\$91
	160GB (8M)	\$100
	200GB (8M)	\$112
	250GB (16M)	\$147
	300GB (16M)	\$216
W.D.	80GB (8M)	\$71
	120GB (8M)	\$99
	160GB (8M)	\$100
	200GB (8M)	\$113
	250GB (8M)	\$147
	320GB (8M)	\$199
	36GB (10,000RPM)	\$147
	72GB (10,000RPM)	\$232
SEAGATE	80GB	\$69
	120GB (8M)	\$95
	160GB (8M)	\$104
	200GB (8M)	\$123
	300GB (8M)	\$208

AOPEN AW840	\$14
AOPEN AW850	\$19
S.B. LIVE OEM PCI	\$30
S.B. AUDIGY2 VALUE	\$50
S.B. AUDIGY2 ZS (O)	\$79
S.B. AUDIGY2 ZS (R)	\$103
S.B. AUDIGY2 PLATINUM	\$208
S.B. AUDIGY4	\$313

Power Supply



EG301P-VB-FM 300W	\$42
EG495P-VE-SFMA 485W	\$85
EG565P-VE-FM-SLJ 535W	\$99
EG701AX-VE-SFMA 600W	\$164

LG 52X CD-ROM	\$17
LG 16X DVD	\$26
SAMSUNG 16X DVD	\$30
SAMSUNG 52X32X52	\$29
LG 52X32X52 CD-RW	\$38
ASUS 52X42X52 CD-RW	\$39
AOPEN DVD/CD-RW (O)	\$37
AOPEN 1608 DVD+RW (O)	\$51
NEC 3520 DVD+RW (O)	\$70
PIONEER 108 DVD+RW (O)	\$63
PLEXTOR DVD+RW 740A	\$120
BENQ DVD+RW 1620 (O)	\$51
BENQ DVD+RW 1625 (O)	\$99
LG DVD+RW 16X 1638 (O)	\$54
LINKSYS DRW-160A (O)	\$79

10/100 ETHERNET PCI	\$10
DLINK 10/100 NIC PCI	\$12
3COM 10/100 9505 TC NIC	\$39
DLINK 10/100 9603TS HUB	\$37
LINKSYS D-604 ROUTER	\$42
LINKSYS D-704P ROUTER	\$63
LINKSYS D-524 G ROUTER	\$64
LINKSYS 802.11 G ADAPTER	\$48
LINKSYS 4 PORT ROUTER	\$63
LINKSYS 802.11B ROUTER	\$62
LINKSYS 802.11G ROUTER	\$73
LINKSYS 802.11GS ROUTER	\$91
LINKSYS 802.11G ADAPTER	\$62
LINKSYS 802.11GS ADAPTER	\$78

CANON	PIXMA IP2000	\$54
	PIXMA IP3000	\$59
	PIXMA IP4000	\$155
SAMSUNG	ML 1510	\$149
	ML 2250	\$184
	CLP510 COLOR	\$480
EPSON	C65	\$84
	C86	\$102
	R200	\$125
HP	LASER 1020	\$180
	LASER 1320	\$447

BAREBONE SYSTEM

UPGRADE KIT

ASUS PUNDIT-R	\$219
ASUS S-PRESSO S1-P112	\$279
ASUS S-PRESSO S1-P111	\$399
SHUTTLE SB83G5	\$359
SHUTTLE SB81G2	\$314
SHUTTLE SN95G5V3	\$370

(INTEL CELERON 2.4G CPU	\$179
+ GIGABYTE M/B + 256M DDR)	
(INTEL P4 2.4G CPU	\$279
+ GIGABYTE M/B + 512M DDR)	
ATX CASE WITH 400W	\$29

ASUS

SAMSUNG

BenQ

Lifebook

P4VP-MX	\$60	A7V8X-X	\$61	17" 713M LCD	\$329	19" 910V LCD	\$369	17" T705 LCD	\$285
P4S800D-X	\$71	A7N8X-X	\$74	17" 710V LCD	\$279	19" 913V LCD	\$389	17" FP737 D-LCD	\$289
P4P800 SE	\$116	A7N8X-VM 400	\$94	17" 713V LCD	\$279	19" 913S LCD	\$399	17" FP716-16 LCD	\$285
P4P800S-X	\$80	A7N8X-DM	\$110	17" 710T LCD	\$379	19" 915N2 LCD	\$439	17" FP710 LCD	\$283
P4C800E-DX	\$140	A7V880	\$80	17" 711T LCD	\$379	19" 910T LCD	\$569	17" FP711G LCD	\$289
P4C800E-DX	\$220	A8V DX	\$139	17" 713T LCD	\$315	19" 913T LCD	\$475	17" FP711E LCD	\$359
P5GD1	\$128	A8N-E	\$163	17" 712X LCD	\$539	19" 913P LCD	\$699	17" FP791 LCD	\$289
P5GD2-VX	\$176	A8N-SLI	\$173	17" 710N LCD	\$315	21" 213T LCD	\$979	19" FP931 LCD	\$449
P5GD2	\$170	A8N-SLI DX	\$202	17" 710N2 LCD	\$315	32" 323T LCD	\$3299	19" FP932 LCD	\$549
P5GD2-E DX	\$237	K8V-X	\$80	17" 713P LCD	\$635	40" 403T LCD	\$5199	20" FP2091 LCD	\$996
P5AD2-E Prem	\$250	K8V SE DX	\$129	17" 793DF WHITE	\$119	19" 997DF CRT	\$229	23" FP231W LCD	\$1579
P5P800	\$114	K8N-E DX	\$138	17" 793DF SILVER	\$125	19" 997MB CRT	\$229		

LIFEBOOK SERIAL NOTEBOOK
C2330A \$1660 S6231A \$1763
C2330B \$1840 S6231B \$2030
N3510A \$1759 S7010A3 \$1960
N3510B \$2087 S7010B3 \$2135
N8010A \$1945 P7010A3 \$2135
T4010 \$2139 P7010B3 \$2550
ALL PRICE WITH XP HOME
XP PRO WILL BE \$120 MORE
* Call us for the best price about
IBM, ASUS, ACER, GIGABYTE...
Notebooks

upcoming favourite TV shows ("Hi Marc – do you want to set a timer to record the season premiere of Family Guy this Sunday night?"). And you will be able to personalize your content – choose the info to display on your TV such as local weather, traffic, news, sports scores, and more.

• Ditch your VCR and DVD recorder – the future is Personal Video Recorders (PVRs) that record all of your TV shows and movies to a hard drive capable of storing hundreds or even thousands of hours of content. What's more, this technology lets you "pause" and "rewind" live TV as it streams the content off its hard drive. You will even be able to set a timer remotely – such as through your work PC, PDA or a cell phone – by calling into your IPTV set and its connected components.

• Rather than sitting in your stiff office chair, kick back on the couch with remote in hand and play multi-player games against other human opponents elsewhere in the world.

Sounds incredible? It's around the corner. Companies such as Bell

are making this happen as soon as late 2005 as they increase broadband speeds and continue to make improvements to digital video compression.

By Marc Saltzman

Questions and comments relating to the home entertainment section, including Marc Saltzman's monthly column, can be sent to homeentertainment@publishing.ca.



Grand Opening back to School Special

Promotion Items : While Quantity Last

17" LCD Monitor, New 1280 x 1024, 400: Black / Silver 14ms response time Built in Speakers \$255.00	DVD Writer and Media Combo 16X DVD +/- RW (Dual Layer) 50pc DVD R 8X Media \$79.00	Kingston 512M DDR400 (PC3200) Memory \$58.00
Acer Laptop Model : Aspire 5000 Series (AS 5002ZWLMI) AMD Turion64 3000+, 1.6GHz, 512MB, 80GB, DVD +/- Burner, 15.4" TFT, 802.11G, XP HOME \$1,220.00	80GB IDE HDD (New OEM) 7200rpm 2m Cache \$63.00	17" Dell CRT Re-Certified Grade A Condition Black 0.27 dpi \$65.00

* Price & Availability are subject to change without notice. All Prices are already 3% discounted.
All logos & copyright trade marks are of their respective companies. ecshop assumes no responsibility for errors in content or pricing.

Intel P4-531 64Bit Ready

(3.06GHz, EM64T, HT, 800FSB, 1M L2 Cache)
512M DDR 400 Memory
Asus P5GD1-VM Motherboard
120G SATA 7200rpm 8m Hard Drive
1.44m Floppy Drive
Integrated Intel Graphics 900
16X DVD +/- RW Drive
400W Tower Case w/ Front USB
Integrated Lan
onboard 8-channel HD audio Optical Mouse, Keyboard,
Speakers Included
\$635.00

Intel Celeron D 2.4G (320D) 533FSB

256M DDR Memory
ASRock P4VM8
80G EIDE 7200rpm 2M Hard Drive
1.44m Floppy Drive
Integrated VIA Chipset Graphic
52X CD/RW Drive
350W Front USB Tower Case
Integrated Lan
onboard 6-channel audio
Optical Mouse, Keyboard, Speakers Included
\$365.00

AMD Athlon 64 3200+ 939pin

512M DDR 400 Memory
Asus AB1-E
120G SATA 7200rpm 8m Hard Drive
1.44m Floppy Drive
ATI X300 SE 128M DVI TV-Out PCI-E VGAS735.00
16X DVD +/- RW Drive
400W Front USB Tower Case
Integrated Lan
onboard 8-channel HD audio
Optical Mouse, Keyboard, Speakers Included
\$735.00

AMD Sempron 2500

256M DDR 333 Memory
ASRock K7VM3
80G EIDE 7200rpm 2M Hard Drive
1.44m Floppy Drive
Integrated VIA Chipset
16X DVD Rom Drive
350W Front USB Tower Case
Integrated Lan
onboard 6-channel audio
Optical Mouse, Keyboard, Speakers Included
\$359.00

Please call / visit our web site for
Ownership can be Transferred.

• Our Weekly Special Promotion
• Off Lease Desktop, Laptop and Monitors

• Dell Open Box Desktop and Laptop, Dell Manufacture Warranty,

ecshop.ca
Computer . Home Entertainment

ecshop www.ecshop.ca Tel: (416)-803-2230
email: sales@ecshop.ca
Address: 550 Hwy 7 east, UnitB 56 Richmond Hill, Ontario, L4B 3Z4
(Times Square, North West Corner of Hwy7 / Leslie Street, beside TDBank, Corner of Leslie St. Entrance)

Store Hours
Mon-Fri 10:00 - 7:00
Sat 11:00 - 6:00
Sun 12:00 - 5:00



AMETA
INTERNATIONAL INC

905.944.1691

2650 John St., Unit #9, Markham ON L3R 2W6 www.ameta.ca 1.877.966.1691

A member of



EYEONET DVR

Leading Technologies:

POS (Point of Sale) Interface
Door Access Control
Cell Phone View

Central Management Softwares:

Manage Multi DVRs, 32, 64, 128...Channels



Total Solutions for Home & Business Digital Video Surveillance



DVR Server



Stand Alone DVR



Video Door Phone



Mobile DVR



PTZ



Wireless



Dome

ELZ Inc. Computer Services

www.elzinc.com

7800 Woodbine Ave. Unit 103

Markham, Ontario, L3R 2N7

Tel: 905.940.1818 Fax: 905.940.9763

AMD Sempron VALUE!!	Intel Celeron VALUE!!	Hard Drive	Mainboard	Monthly Promotion
AMD Sempron 2500+ ECS 741GX-M M/B 256MB DDR400 PC-3200 Integrated 2D/3D Graphics 40GB 7200RPM HDD 52X IDE CDROM 1.44MB Floppy Integrated 5.1-CH Sound & Lan Case w/400W PS/K/B/Mouse/Spk Up to Sempron 2600 \$17 Up to 16X DVD RW \$38 \$279	Intel Celeron 2.66GHz (D330) Foxconn 661FXME-E M/B 256MB DDR400 PC-3200 Integrated 2D/3D Graphics 40GB 7200RPM HDD 52X IDE CDROM 1.44MB Floppy Integrated 5.1-CH Sound & Lan Case w/400W PS/K/B/Mouse/Spk Up to Celeron 2.8GHz \$20 Up to 80GB HDD \$14 \$299	IDE Maxtor 40GB \$59 80GB \$67 80GB (8M) \$72 \$74 120GB \$79 120GB (8M) \$85 \$90 160GB (8M) \$96 \$103 200GB (8M) \$125 \$137 200GB (16M) \$116 \$124 250GB (8M) \$143 \$143 250GB (16M) \$145 \$151 300GB (16M) \$189 \$195 Western Digital 40GB (8M) \$65 80GB \$66 80GB (8M) \$69 \$71 120GB \$N/A 120GB (8M) \$83 \$89 160GB (8M) \$91 \$96 200GB (8M) \$115 \$124 250GB (8M) \$139 \$145	Intel (Asus) PSRD1-V \$119 PSP800 \$115 PSP800S \$87 P5GD1 / VM \$124 / 120 P5GD2-X \$127 P5LD2 / VM \$157 / 129 P5PL \$115 P5GL-MX \$90 P4VP-MX \$58 P4S800 / MX \$67 / 71 P4S800-X \$71 P4S8X-MX \$59 AMD (Asus) K8N \$89 K8N-E Deluxe \$138 K8N4-E Deluxe \$141 K8S-MX \$79 K8V-X \$93 K8N \$101 ABV \$112 ABV Deluxe \$138 ABV-E Deluxe \$138 A7N8X / XE \$91 / 74 / 109 A7N80 \$81	Logitech Webcam Orbit (OEK) \$85 WD 160GB 7200RPM IDE U100 8MB \$91 Sunbeam Samurai Case w/o P/S \$45 JPhone VoIP Adapter/Phone \$70 / 87 MPX 512MB MP3/Video/Rec/FM \$127 Samsung ML-1520 Laser Printer \$128 Canon PIXMA iP2000 Printer \$55 Samsung 915N 19" LCD BLK 8MS \$460 Acer AL1913B 19" LCD BLK 20MS \$355 LG L1750S 17" LCD BLK 12MS \$269
AMD Sempron EXTREME	Intel Pentium 4 VALUE	Hard Drive	Mainboard	Monthly Promotion
AMD Sempron 2600+ Foxconn K75741MG-L M/B 512MB DDR400 PC-3200 ATI Radeon 9250SE 128MB 80GB 7200RPM HDD 52x32x52x CDRW Drive 1.44MB Floppy Integrated 5.1-CH Sound & Lan Case w/400W PS/K/B/Mouse/Spk Up to 160GB HDD \$29 Up to 16x DVD +/- RW \$25 \$395	Intel Pentium 4 3.0GHz (530) Asus P5GD1-VM M/B 512MB DDR400 PC-3200 Integrated 2D/3D Graphics 80GB 7200RPM HDD 52x32x52x CDRW Drive 1.44MB Floppy Integrated 5.1-CH Sound & Lan Case w/400W PS/K/B/Mouse/Spk Up to P4 3.2GHz (540) \$55 Up to P4 3.4GHz (550) \$130 \$535	Western Digital 40GB (8M) \$65 80GB \$66 80GB (8M) \$69 \$71 120GB \$N/A 120GB (8M) \$83 \$89 160GB (8M) \$91 \$96 200GB (8M) \$115 \$124 250GB (8M) \$139 \$145	AMD (Asus) K8N \$89 K8N-E Deluxe \$138 K8N4-E Deluxe \$141 K8S-MX \$79 K8V-X \$93 K8N \$101 ABV \$112 ABV Deluxe \$138 ABV-E Deluxe \$138 A7N8X / XE \$91 / 74 / 109 A7N80 \$81	Optical Drive LG 52x CDROM \$18 K8N4-E Deluxe \$17 Asus 52x CDROM \$16 LG 16x DVDROM \$26 LG 52x32x52x CDRW \$28 Asus 52x32x52x CDRW \$28 LG 52x32x52x16x Combo \$44 LG 4163 16x DVD +/- RW \$53 Pioneer A109 DVD +/- RW \$64 Sony D22A 16x DVD +/- RW \$60 BenQ 1620Pro 16x DVD RW \$54 BenQ 1640 16x DVD +/- RW \$58
AMD Athlon 64 EXTREME	Intel Pentium 4 EXTREME	Hard Drive	Mainboard	Monthly Promotion
AMD Athlon 64 2800+ Asus K8S-MX M/B 512MB DDR400 PC-3200 ATI Radeon 9250SE 128MB 80GB 7200RPM SATA HDD 52x32x52x CDRW Drive 1.44MB Floppy Integrated 5.1-CH Sound & Lan Case w/400W PS/K/B/Mouse/Spk Up to Athlon 64 3000 \$46 Up to Athlon 64 3200 \$98 \$429	Intel Pentium 4 3.0GHz (530) Asus P5GD1 M/B 512MB DDR400 PC-3200 ATI X300SE 128MB PCIE 80GB 7200RPM SATA HDD 16x DVD +/- RW DL Drive 1.44MB Floppy Integrated 8-CH Sound & GB Lan Case w/400W PS/K/B/Mouse/Spk Up to 160GB SATA HDD \$32 Up to 200GB SATA HDD \$55 \$635	ATI ATI AW 9600 128 M \$163 ATI AW 9600XT 128 M \$230 ATI AW 9800Pro 128 M \$270 ATI AW X600Pro 256 M PCIE \$236 ATI R- 9250 128 M \$45 ATI R- 9550 256 M \$76 ATI R- 9600SE 128 M \$65 ATI R- 9600 256 M \$89	ATI ATI R- 9600Pro 256 M \$101 ATI R- 9800Pro 128 M \$159 ATI X300SE 128 M PCIE \$65 ATI X300 PCIE 128/256 M \$83/97 ATI X550 PCIE 128/256 M \$87/96 ATI X600Pro PCIE 128/256 M \$103/113 ATI X700 PCIE 128/256 M \$131/150 ATI X700Pro PCIE 128/256 M \$150/183	Asus Asus GF FX-5200 128 M \$57 Asus GF FX-6200 PCIE 128 M \$124 Asus GF FX-6600 PCIE 128 M \$150 Asus GF FX-6600 PCIE 256 M \$169 MSI GF FX-5200 128 M \$50 MSI GF FX-5500 256 M \$115 MSI GF FX-6200 128 M \$89 MSI GF FX-6600 256 M \$208

*All prices are already 4% cash discounted and subject to change without notice.
All systems come with 3 years labour and 1 year parts warranty.

VISIT WWW.ELZINC.COM OR CALL
FOR MORE PRODUCTS AND PRICES.

We open Monday to Friday 10 am - 7 pm
Saturday 11 am - 6 pm Sunday Closed

Good As New Computers

Compaq P4 PACKAGE

PENTIUM 4 - 2.4GHz
256MB SDRAM
40GB HDD, CD Drive
INT SOUND, Video, NIC
17in W' MON(Not Shown)
WINDOWS 2000 PRO.

\$479.00

Refurbished, 90 day warranty

Compaq P4 PACKAGE

P4 - PENTIUM 4 1.7GHz
256MB SDRAM
20GB HARD DRIVE
CD, INT SOUND, VIDEO
17in W' MON(Not shown)
WINDOWS 2000 PRO.

\$399.00

Refurbished, 90 day warranty

IBM P3 PACKAGE

PENTIUM 3 - 800MHz
128MB SDRAM
20GB HARD DRIVE, CD
INT NIC, SOUND, VIDEO
17" Grade 14" MONITOR
WINDOWS 98SE

\$199.00

Keyboard, Mouse, Power crd.
Refurbished, 90 day warranty

DELL SFF

P3 1000
256MB, 20GB
4000PRO
KBD, MOU
\$209.00

Refurbished, 90 day warranty

DELL

P3 1.2GHz
256MB, 20GB
CD, FDD, NIC
WIN2000Pro
\$239.00

Refurbished, 90 day warranty

IBM

P3 600
128MB, 10GB
CD, FDD, NIC
WIN98SE
\$169.00

Refurbished, 90 day warranty

IBM

Col-850MHz
256MB, 20GB
CD, FDD, NIC
WIN2000Pro
\$149.00

Refurbished, 90 day warranty

HP

P3 650MHz
128MB, 20GB
CD, FDD, NIC
WIN98SE
\$139.00

Refurbished, 90 day warranty

Dell

P3 1GHz
256MB, 20GB
CD, FDD, NIC
WIN2000Pro
\$599.00

Refurbished, 90 day warranty

IBM

P3 700MHz
256MB, 12GB
DVD, NIC
WIN2000Pro
\$449.00

Refurbished, 90 day warranty

21" Flat Monitors

COMPAQ
\$99.00

Refurbished, 90 day warranty

17" Monitors

Tier 1 Brand
From \$29.99

Refurbished, 90 day warranty

15" Monitors

Tier 1 Brand
From \$19.99

Refurbished, 90 day warranty

88 East Beaver Creek Rd.

Unit 6A, Richmond Hill, ON, L4B 4A8

Tel: 905-889-1188

HOURS:

Mon - Fri 10:00am - 6:00pm

Sun & Sat CLOSED

Shop online

www.ganc.com

Sound that truly surrounds

The acoustics of home theatre

I wonder how many good sound systems are returned because of bad room acoustics.

Bad acoustics can turn a perfectly good sound system into a muddy mess that favours certain frequencies over others. This is not the "flat" frequency response audiophiles are looking for, where all frequencies are represented equally, and it may have nothing to do with the fabulous surround sound system you dropped the kid's college fund on. It may be ... you.

Acoustics is where you get to participate in the actual design of your own sound system. That said, there are a few basic issues you need to tackle to make your home theatre the envy of all who gaze upon it.



Early Reflections

Early reflections are sounds that bounce off an object very shortly after you hear the direct sound from the speaker. These can cause something called "comb filtering," where certain frequencies get cancelled out due to phase cancellation. Phase cancellation is when the trough of a wave matches the crest of another and they cancel each other out. Also, early reflections can affect the image of the sound or where it is perceived to originate from. Any reflection less than 28 feet can be considered an early reflection.

Reverberation

The length of time a room bounces sound around is called reverberation time. A "live" room has a long reverberation time and a "dead" or "dry" room has a short one. Reverberation is affected by the materials used in a room's construction as well as the size of the room. Reverberation time is measured by how long it takes a sound to drop 60 decibels (RT60) after the original sound has stopped. In a normal sized living room, there should be no more than 4/10ths of a second reverberation time, and no less than 2/10ths of a second.

That's a pretty dead living

ACETEC COMPUTERS

848 Burnhamthorpe Rd W Unit 3B, Mississauga, Ontario, L5C 2S3
Tel: 905-276-3891 Fax: 905-281-9992
http://www.acetecpc.com Email: sales@acetecpc.com

AMD Sempron2500 \$275

AsRock (ASUS) K7VM3, DDR 256M
800 7200rpm H.D, LG52x32x50CDRW
Video, LAN & Sound Onboard
ATX 450W Midtower/USB Front
Keyboard, Mouse & Speakers
Upgrade to: LG 52x32x50 CD
Sempron 2600/2800 +\$16/\$22

Celeron 2.40G \$297

AsRock (ASUS) P4VM, DDR256M
800 7200rpm, LG52x32x50CDRW
Video, LAN & Sound Onboard
ATX 450W Midtower/USB Front
Keyboard, Mouse & Speakers
Celeron D 2.66/2.8 +\$16/\$26
P4-2.4/2.8G IM +\$65/\$118

Back to School \$509

Intel P4-530 3.0G IM LG4775
ASUS P5CL-MX, DDR400 512M
800 7200rpm, LG 16xDVD+-RW
Intel Graphic, Sound, LAN OB
ATX 450W Case/ USB Front
Keyboard, Mouse & Speakers
Intel P4 3.2G LG4775 +\$48

AMD 64 3000+ \$769

ASUS ABN-E, 160G SATA IM
OCZ Dual Chan DDR400 1024M
LG4163 16xDVD+-RW Dual Layer
Sound ALAN o/b
CF 6200 256M/TVO/DVI PCI-E
ATX 450W Case/ USB Front
Keyboard Mouse & 2.1 Speakers
Athlon 64 3200/3500 +\$53/\$49

iPod

iPod shuffle
iPod mini
ASUS
S-presso
Call us for Details

PS Express 3.2G \$849

Intel P4-3.2G P540 IM LG4775
ASUS P5GD1, Dual ChanDDR400 1G
200G SATA H.D, LG4163 16xDVD
ATI X600 Pro PCI Express 256M
8 Chan Sound, GB LAN Onboard,
ATX Case/ USB Front/ 450W
Keyboard, Mouse & 2.1 Speakers
P4-3.2G LG4775 +\$75

MONITOR

17" LG 1708B Flat Screen \$124
17" Samsung 7930P Flat CRT \$129
17" Directional Widescreen LCD \$185
17" Samsung 715V 500:1 \$215
17" LG 17550S 16m 500:1 LCD \$289
17" Samsung 710N 12m 600:1 \$315
19" Acer 1913DS 840:1 LCD \$350
OPTICAL DRIVE/WEB CAM
LG 16xDVD/52000V COMBO \$42
LG CS41638 16x DVD+-RW \$46
Elitech Web Cam \$9
PC-Tracking Card 640x480 \$26

Extreme Game \$1239

Intel P4-640T 3.2G 2M/800MHz
ASUS P5AD2-Deluxe, IEEE 1394
OCZ Dual Chan DDR41 533 1GB
Seagate 250GB IM SATA H.D
LG 4163 DVD+-RW, Wireless LAN
Nvidia GF6600 PCI-Ex 256M
GB LAN & 8Chan Sound O/B
Gaming Case 450W/USB Front
Logitech Cordless OPTI LX700
Creative Multimedia Speakers
630T 3G \$1179 650T 3.4G \$1399

VIDEO CARD

ATI 9250SE 128M TV \$44
ATI 9550 128M/256M DVI TVO \$69/79
Leadtek GF6200 128M R4GP \$99
NVIDIA GF6400PCI-E 256M TV/DVI16169
ATI 9800 Pro 256M \$209
NVIDIA GF6800PCI-E 256M TV/DVI18365
NETWORKING
Realtek 10/100 PCI LAN \$7
PCI/PONCIA IEEE 1394 \$16/19
D-Link 534 Wireless Router \$31
D-Link 6310 PCI Wireless \$29
D-Link 6330 PONCIA WLAN \$32

LAPTOP STORE
E22 PACIFIC MALL
T: 905 4151182
11-8, 7 DAYS

Kennedy Pacific Mall
E22
Steels Ave.

2000 COMPUTERS

W W W . N O T E B O O K O U T L E T . C A

Steels Ave
Tempo Ave
Victoria Park
Finch Ave

PC STORE
3560 VICTORIA
PARK AVE.
T: 416 4921600



LG Electronics

AUTHORIZED DEALER

FUJITSU

LG XNOTE Ls50 INTEL DOTHAN 1.6GHZ, 256MB RAM, 40G HD, DVD-CDRW COMBO, 802.11 WLAN 56K MODEM, 10/100 LAN, 15" XGA TFT Screen, Windows XP HOME \$1188⁹⁹	LG Xnote Ls50 INTEL DOTHAN 1.6GHZ, 512MB RAM, 60G HD DVD BURNER, 802.11B/G WLAN 56K MODEM, 10/100 LAN 15" XGA TFT SCREEN WINDOWS XP HOME \$1388⁹⁹	LG XNOTE Lm50 INTEL CENTRINO 1.5GHZ, 512MB, 40G HD DVD-CDRW COMBO, 802.11B/G WLAN ATI RADEON 9200 15" XGA TFT, 56K M, 10/100 LAN WIN XP PRO. \$1588⁹⁹	LG Xnote Lw60 INTEL DOTHAN 1.73GHZ, 512MB RAM, 60G HD SUPER MULTI DVD, 802.11B/G WLAN 56K MODEM, 10/100 LAN 15.4" WXGA CRYSTAL TFT, ATI X300 64MB, XPP \$2088⁹⁹	LG Xnote Lw70 INTEL DOTHAN 1.86GHZ, 1024MB RAM, 80G HD SUPER MULTI DVD, 802.11B/G WLAN 56K MODEM, 10/100 LAN 17" WXGA CRYSTAL TFT, ATI X600 128MB, XPP \$2888⁹⁹
LG XNote Lu20 INTEL DOTHAN 1.6GHZ, 512MB RAM, 40G HD, 802.11 WLAN 56K MODEM, 10/100 LAN, 12" XGA TFT Screen, 3.5LB, 6-HR BATTERY FREE DVD-CDRW COMBO Windows XP PRO. \$1388⁹⁹	LG Xnote Lt20 INTEL DOTHAN 1.5GHZ, 512MB RAM, 40G HD, 802.11 WLAN 56K MODEM, 10/100 LAN, 12" XGA TOUCH SCREEN, 3.9LB, 6-HR BATTERY WIN TABLET EDITION \$1888⁹⁹	FUJITSU T4010 INTEL CENTRINO 1.6GHZ, 512MB RAM, 40G HD, 802.11 WLAN, DVD-CDRW 56K MODEM, 10/100 LAN, 12" XGA TOUCH SCREEN, WIN TABLET EDITION \$1988⁹⁹	FUJITSU T3010 INTEL CENTRINO 1.4GHZ, 256MB RAM, 40G HD, 802.11 WLAN 56K MODEM, 10/100 LAN, 12" XGA TOUCH SCREEN, WIN TABLET EDITION \$1688⁹⁹	FUJITSU N6010A INTEL P4 3.2GHZ, 512MB RAM, 60G HD, DVD-CDRW COMBO 802.11 A/B/G WLAN 56K, GIGABIT LAN, ATI 9700 128MB 17" CRYSTAL WXGA, 1.44 FLOPPY AFTER \$100 REBATE \$1948⁹⁹
FUJITSU E8010D INTEL CENTRINO 1.6GHZ, 256MB RAM, 80G HD, FREE TO 512MB RAM 802.11G WLAN 56K MODEM, 10/100 LAN, 15" XGA TFT Screen, XPP, 3YR \$1888⁹⁹	FUJITSU N3510A INTEL DOTHAN 1.73GHZ 512MB DDR2 RAM, 60G HD, 802.11G WLAN DVD-CDRW COMBO, 56K MODEM, 10/100 LAN, 15.4" CRYSTAL XGA TFT, XPH ATI RADEON X300 64MB \$1588⁹⁹	FUJITSU S6231A INTEL DOTHAN 1.6GHZ, 512MB RAM, 40G HD, DVD-CDRW COMBO, 802.11G WLAN 56K MODEM, 10/100 LAN, 13.3" CRYSTAL XGA TFT, 4.3LBS WINDOWS XP HOME (AFTER \$75 REBATE) \$1688⁹⁹	FUJITSU C2330 INTEL DOTHAN 1.7GHZ, 512MB RAM, 40G HD, DVD-CDRW COMBO, 802.11B/G WLAN 56K MODEM, 10/100 LAN, 15" CRYSTAL XGA TFT, 1.44 FLOPPY WINDOWS XP HOME \$1588⁹⁹	FUJITSU C2310 INTEL DOTHAN 1.6GHZ, 512MB RAM, 40G HD, DVD-CDRW COMBO, 802.11B/G WLAN 56K MODEM, 10/100 LAN, 15" CRYSTAL XGA TFT, 1.44 FLOPPY WINDOWS XP HOME \$1488⁹⁹

*\$100 COUPON WITH PURCHASE OF ANY LAPTOPS!! *SOME FUJITSU LAPTOP WITH FREE Mp3 PLAYER!

ACER ASPIRE 3502NLCI INTEL CELERON M1.4GHZ, 256MB RAM, 40G HD, DVD-CDRW COMBO, 802.11B/G WLAN 56K MODEM, 10/100 LAN, 15" XGA TFT SCRRN LINPUS LINUX \$748⁹⁹	ACER ASPIRE 1684WLMi INTEL DOTHAN 1.8GHZ, 1024MB RAM, 100G HD, DVD BURNER, 802.11B/G WLAN 56K MODEM, 10/100 LAN, 15.4" XGA CRYSTAL TFT WINDOWS XP \$1588⁹⁹	Acer ASPIRE 1362LCI AMD SEMPRON 2800+ 512MB RAM, 40G HD, DVD-CDRW 802.11G WLAN 56K M, 10/100 LAN, 15" XGA TFT SCRRN WINDOWS XP \$788⁹⁹	ACER TABLE C303XMI INTEL DOTHAN 1.7GHZ, 1024MB RAM, 80G HD, DVD BURNER, 802.11B/G WLAN 56K/10/100 LAN, BLUETOOTH 14" XGA TOUCH SCREEN WIN XP TABLET EDITION \$1988⁹⁹	ACER FERRARI 4000 AMD TURION 64 ML-37 1G RAM, 100G HD, DVD BURNER, 802.11B/G WLAN 56K M, GIGABIT LAN, BLUETOOTH 15.4" WSXGA+ TFT, ATI X700 128MB WINDOWS XP PRO \$2288⁹⁹
HP Nc4000 INTEL CENTRINO 1.4GHZ, 256MB RAM, 40G HD, FREE TO 512MB RAM, 56K M, GIGABIT LAN, 12" XGA TFT, 3LBS 3 YR WARRANTY \$1288⁹⁹	HP Nc4010 INTEL CENTRINO 1.7GHZ 512MB RAM, 40G HD, 802.11 A/B/G WLAN, 56K M, GIGABIT LAN, 12" XGA TFT, 3LBS 3YR, XPP. \$1588⁹⁹	HP Nc8000 INTEL CENTRINO 1.6GHZ, 512MB RAM, 60G HD, 802.11A/B/G WLAN, DVD BURNER 56K M, GIGABIT LAN, 15" XGA TFT, 3YR ATI 9600, XPP \$1988⁹⁹	COMPAQ PRESARIO R3215CA AMD ATHLON XP-M 2800+ 512MB RAM, 60G HD, DVD BURNER, 802.11B/G WLAN 56K MODEM, 10/100 LAN, 15.4" WXGA TFT, XPH NVIDIA 4TM 420 \$1288⁹⁹	COMPAQ Nc6000 INTEL DOTHAN 1.7GHZ 1024MB RAM, 80G HD, DVD-CDRW COMBO, 802.11B/G WLAN ATI RADEON 9600 56K MODEM, 10/100 LAN, 14" XGA TFT, 3YR WARRANTY WINDOW XP PRO \$1888⁹⁹
FUJITSU P7010 INTEL CENTRINO 1.1GHZ, 256MB RAM, 40G HD, DVD-CDRW 802.11G WLAN 56K MODEM, 10/100 LAN, 10.6" WXGA CRYSTAL, XPP \$1788⁹⁹	IBM T42 INTEL CENTRINO 1.7GHZ, 512MB RAM, 40G HD, DVD-CDRW 802.11 WLAN 56K MODEM, 10/100 LAN, 14.1" XGA TFT, XPP, 3YR ATI 7500 32MB \$1588⁹⁹	IBM R40 INTEL DOTHAN 1.5GHZ, 512MB RAM, 40G HD, DVD-CDRW COMBO, 802.11 WLAN 56K MODEM, 10/100 LAN, 15" XGA TFT, XPP ATI 7500 32MB \$1388⁹⁹	TOSHIBA TECRA M2 INTEL DOTHAN 1.8GHZ, 512MB RAM, 60G HD, DVD-CDRW COMBO, 802.11G WLAN 56K MODEM, 10/100 LAN, 14" XGA TFT, XPP, 3YR NVIDIA 5200 64MB \$2188⁹⁹	TOSHIBA P10 INTEL P4 3.2GHZ, 512MB RAM, 80G HD, DVD BURNER, 802.11G WLAN 56K MODEM, 10/100 LAN, 15.4" CRYSTAL WXGA TFT, XPMC ATI 9700 64MB \$1988⁹⁹

WIRELESS KEYBOARD & MOUSE \$39.99 8MB MEMORY BUILD IN WEB CAM \$19.99 50XBLANK DVD-R \$19.99 NO TAXI COMPUTER SERVICE CENTER	LOWEST P4 INTEL P4 24G (1MB, NOT CELERON) 256MB DDRAM 40GB HD 7200 16X DVD-ROM 32MB AGP VIDEO 1.44 FLOPPY 3D SOUND 10/100 ETHERNET P4 ATX CASE/300W \$399	ADVANCE AMD 64BIT 3000 (ALTHON 64 BIT) 256MB DDDRAM 40GB HD 7200 16X DVD-ROM 64MB DDR VIDEO 1.44 FLOPPY 5.1 3D SOUND 10/100 ETHERNET P4 ATX CASE/400W WINDOWS KB WHEEL MOUSE Included STEREO SPEAKER 17" TFT LCD \$699	BEST BUY INTEL P4 3.0GHZ (1MB L2 CACHE) 256MB DDDRAM 80GB HD 7200 16X DVD ROM 52X32X52 CD-RW 1.44 FLOPPY 64MB DDR 8XAGP VIDEO 1.44 FLOPPY 10/100 ETHERNET P4 ATX CASE/400W WINDOWS KB WHEEL MOUSE Included STEREO SPEAKER 17" TFT LCD \$799	SUPER FAST AMD 64BIT 3200+ (ALTHON 64 BIT) 512MB DDDRAM 120GB HD 7200 16X DVD ROM 16X DVD BURNER GEFORCE 256MB P5500 VIDEO TV OUT 1.44 FLOPPY 5.1 3D SOUND 10/100 ETHERNET P4 ATX CASE/400W WINDOWS KB WHEEL MOUSE Included 600W SUBWOOFER 19" TFT LCD \$1199	NEXT CENTURY INTEL P4 3.2GHZ (FSB 800MHZ, 1 MB) 1024MB DDDR400 RAM 160GB HD 7200 16X DVD BURNER 16X DVD ROM ATI RADEON X600 PCI-E 256MB VIDEO/TV OUT 1.44 FLOPPY 5.1 3D SOUND 10/100 ETHERNET P4 ATX CASE/400W INTERNET KB OPTICAL MOUSE Included 1000W SUBWOOFER 19" TFT LCD \$1399
--	---	---	---	--	---

CANADIAN WEB HOSTING

www.cawebhosting.com

Spam & Virus Email Filters
30 day Money Back Guarantee
All Prices in Canadian Dollars

Site Builder Creation Tool
Choose from
10,000 professional templates

BASIC PLAN

- > Cpanel Control Panel
- > 100 Meg storage
- > 5 GB transfer/month
- > 10 Email Accounts
- > 5 MySQL Databases

\$4.95*
/month

WINDOWS PLAN

- > HELM Control Panel
- > 500 Meg storage
- > 20 GB transfer/month
- > 10 Email Accounts
- > DSN/MSQL Server
- > ASP/ASP.NET

\$26.95*
/month

Virtual Private Servers

- > Full Root Access
- > Compile Your Own Programs
- > Remote Reboot Access
- > RedHat Linux

From **
\$65.40
/month

White Label Resellers

- > Cpanel WHM
- > Private Name Servers
- > Dedicated IP Addresses
- > Host Your Customers' Websites
- > Ideal for web designers, developers and VARS

From **
\$85.00
/month

*All packages have no setup fee and are based on Yearly Plan.

** Check website for more details

CWH

CANADIAN WEB HOSTING
CANADA

Toll Free
1-888-821-7888

www.cawebhosting.com

room, but not one that is completely suffering from rigor mortis. But why would you want such a dead room when you sound so great singing "Mirror in the Bathroom" by the English Beat in front of a highly sound reflective mirror in a highly reverberant bathroom? Well, certain types of music sound better in reverberant rooms, but speech is always easiest to understand in a dead room.

Room Modes or Standing Waves

Standing waves, otherwise known as room modes, are the resonant frequencies of your particular listening space. They can make a certain frequency overly loud or too quiet and "colour" a room. Every cavity has a resonant frequency and if you have a rectangular room you have three: One for the length of the room, one for the width and one for the height. These are called the axial modes, which are the strongest and cause the largest variation in sound. Frequencies above 300 Hz get overwhelmed by other acoustical effects and don't cause noticeable variations. Room modes only affect bass. One thing to watch out for is a room that has dimensions that are a multiple of any other dimension. Say you have an eight-foot ceiling. You don't want a room that is 16 feet wide and 24 feet long because these are multiples of eight.

Getting the Best Sound

There are two options: either absorb sound or diffuse it. To tackle early reflections, take a mirror and have someone move it around the room, flat against the wall, while looking at it from the listening position. When you can see the reflection of any of the front speakers, you know you've found an early reflection point. Either put something to break up the sound there, like a piece of furniture, or add some sound absorbent

material. Also, diffuse the back wall reflections with a bookcase or some other irregular object.

To deal with the floor reflections, add a carpet. Ceiling reflections can be dealt with by coffering, if possible. Big, puffy chairs do a good job of absorbing sound too. All these things assist with decreasing reverberation time as well as reducing reflections.

The trickiest thing to deal with is room modes. If you can afford it, bass traps are the best solution for this. If not, put the bass speaker in the listening position and walk around the room. Stop where it sounds neither boomy nor muddy and trade positions with the speaker. That's the best position for it to be. All in all, room acoustics is an immensely complex topic worthy of a tome or eight. Hopefully, this article has pointed you down the right path.

By Andrew Carruthers

More Acoustics Information

hyperphysics.phy-astr.gsu.edu/hbase/acoustic/auditcon.html
www.audiopholics.com/techtips/setup/index.php
www.saecollege.de/reference_material/index.html



Back To School Specials!!!



Editing System

From **\$54995** From **\$149995**



Audio Equipment




4981 Highway 7 E, unit 10, Markham, On, L3R 1N1.
Tel: 905-480-9795 WWW.HASFF.COM SALES@HASFF.COM

Gaming for your health

Getting in shape ... with videogames

Joining a gym and working with a personal trainer is a great way to stay in shape, but at the same time, it isn't for everyone. Some people can't afford it, some are too shy or embarrassed to work out in front of others, and some just live too far away to it worthwhile.

One alternative can be found in a rather unexpected place:

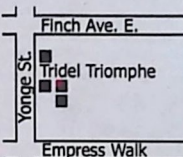



Pacific Notebooks

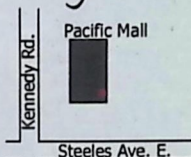
Sales Service

WWW.PACIFICNOTEBOOKS.COM

two locations to serve you



5383 Yonge St.
15 Northtown Way #20
North York, Ontario
416.250.7242



Pacific Mall - Unit A5
4300 Steeles Ave. E.
Markham, Ontario
905.305.6833

Real PC

416-321-1811 / 416-893-1438

WWW.REALPC.CA 4236 Sheppard E. Unit G1 (M1S 2C1)
INFO@REALPC.CA Sheppard & Midland (Dynasty Center)
Mon-Fri: 11:00am-7:00pm (Closed on Wed) Sat-Sun: 11:00am-6:00pm



All systems carry 2 years labor & 1 year parts depot warranty! (Extend Warranty Available)

No.1 Special \$279

AMD Sempron 2500+
Asus K7S41GX (8XAGP)
256MB DDR 333 RAM
64M Integrated Graphics
Integrated Sound / Lan
80GB/7200 HDD
SONY 52X32X52 CDRW
ATX 350W Front USB Case
Free Mouse, Keyboard, SPK

*Add 56k fax modem +\$12
*Add LG 16XDVDR0M +\$26

INTEL P4 C2.4G \$299

INTEL P4 Celeron 2.4 G/D
ASUS P4S8X-MX (8XAGP) Sata
256MB DDR 333 RAM
128M ASUS Integrated Video
Integrated Sound / Lan/SATA
80GB/7200 HDD
SONY 52X32X52 CDRW
ATX 350W Front USB Case
Free Mouse, Keyboard, Speaker
Free Mouse, Keyboard, SPK

*To: P4 C2.8G +\$28
**To: 512M DDR RAM +\$28

AMD SP 3000+ \$369

AMD SEMPRON 3000+(754)*
ASUS K8S-MX (8XAGP) Sata
512MB DDR RAM
128M ASUS Integrated Video
Integrated Sound / Lan/SATA
80GB/7200 HDD
SONY 52XCDRW
ATX 350W Front USB Case
Free Mouse, Keyboard, Speaker

*Add 12-in-one card reader +\$12
**To: Sony 52XCDRW & 16XDVDR0M +\$12

INTEL P4 2.4G \$399

INTEL P4 2.4G / 1MB CPU
ASUS P4S8X-MX (8XAGP) Sata
512MB DDR RAM
128M ASUS Integrated Video
Integrated Sound / Lan/SATA
80GB/7200 HDD
SONY 52XCDRW & 16XDVDR0M
ATX 350W Front USB Case
Free Mouse, Keyboard, Speakers

*To LG 16XDVDR0M DualLayer +\$19
**To: ATI RS250 128M TVO +\$42

AMD 64-2800 \$439

AMD ATHLON 64-2800+ CPU
ASUS K8S-MX (8XAGP) Sata
512MB DDR RAM
128M ASUS Integrated Video
Integrated 6 Ch Sound / Lan/SATA
80GB/7200 HDD
LG 16XDVDR0M & RW DUAL LAYER
ATX 350W Front USB
Case/Spks

*To: AMD ATHLON 64-3000 +\$33
**To: 160GB/8M/7200rpm +\$33

BEST BUY \$539

INTEL 530 3GJ HT CPU*
Asus P5S800-VM (8XAGP) Sata
512MB DDR 3200 RAM
SIS REAL 256B Video/128M O/B
Realtek 6 Ch Codec Sound / Lan
W/D 160GB/7200/8M HDD
LG 16XDVDR0M & RW DualLayer
450W FT USB Case/Spks
Free MultiMedia KB, Optical MS

*To: Intel 540 HT3.2G +\$50
**To: ATI RS250 256M +\$60

GOLDEN VALUE \$599

AMD Athlon 64 3000 CPU*
ASUS K8V-X K8T800 Sata
512MB DDR 3200 RAM
ATI Radeon 9250 128M w/TVO
Integrated 6 Ch Sound / GBLan
SATA 160GB/7200/8M /1.44M
LG 16XDVDR0M & RW DualLayer
450W FT USB Case/Spks
Free MultiMedia KB, Optical MS

*To: 64-3200/3400 +\$54/\$90
**To: 1024M DDR 3200 +\$52

PERFORMANCE \$729

INTEL 540 3.2GJ HT CPU
ASUS P5GD1 LGA775
512M DDR 3200 RAM
ATI Radeon X300SE 128M PCIEX
Integrated 6 Ch Sound / Lan
SATA 160GB/7200/8M HDD
LG 16XDVDR0M & RW DualLayer
450W DUALFAN Case/Subw Spks
Free MultiMedia KB, Optical MS

*To: ATI X600 Pro 256M PCIEX +\$65
**To: SATA 200G/7200/8M +\$18

PLATINUM \$799

AMD Athlon 64-3200 / 939 CPU*
ASUS ASV-E DLX w/Wireless LAN
1024M DDR 3200 RAM
ATI X600PRO 256M DDR PCIEX
Onboard 8Ch Sound/GBLan/1394
SATA 160GB/7200/8M /1.44M
LG 16XDVDR0M & RW DualLayer
450W DUALFAN Case/Subw spk
Free MultiMedia KB, Optical MS

*To: AMD 64-3500/939 +\$95
**To: ASUS AN-SLI DELUXE +\$58

SUPER DIAMOND \$929

INTEL 630 3.0G/2M 64bit CPU
ASUS P5GD-CLX DDR/IEEE1394
OC2 1 G Dual Channel DDRII 4200
ATI X600pro PCIEX 256M DDR
Hi-Definition Audio 8 Ch. CODEC
Marvell Gigabit LAN Controller
SATA 200GB/7200rpm/8M HDD
LG 16XDVDR0M & RW Dual-layer
450W DUALFAN Case/Subw spks
Free MultiMedia KB, Optical MS

To: INTEL 640 3.2G/550 3.4G +\$59/\$219

FLAT CRT / LCD

LG 1750P 17" CRT \$199
LG 1750P 17" CRT \$199
Samsung 17" CRT \$199
Samsung 17" CRT \$199
Acer 15" CRT \$199
Samsung 15" CRT \$199

HARD DISK

Seagate 160GB \$199
Seagate 160GB \$199
Seagate 160GB \$199
Seagate 160GB \$199
Seagate 160GB \$199
Seagate 160GB \$199

NOTEBOOK

HP Pavilion \$199
HP Pavilion \$199
HP Pavilion \$199
HP Pavilion \$199
HP Pavilion \$199
HP Pavilion \$199

Special!!!

HP Pavilion \$199
HP Pavilion \$199
HP Pavilion \$199
HP Pavilion \$199
HP Pavilion \$199
HP Pavilion \$199

Residential/Business Telephone

\$9.95/mo
Rogers High-Speed Internet Available!

All prices are already 4% discounted for cash. Other form of payment are on regular prices. Prices and availability are subject to change without notice.

BURLINGTON	MISSISSAUGA	NORTH YORK	HAMILTON
4190 Fairview St. Unit 10 (905) 333-6637	400 Dundas St. E. Unit 10 (905) 281-0204	3300 Steeles Ave. W. Unit 10 (416) 907-9773	ST. CATHARINES OAKVILLE

WINTRONIC
Computers Plus
www.wintroniccomputers.com
www.wintroniccomputers.ca
WE CAN BEAT ANY ADVERTISED PRICE

REFURBISH MONITOR 17" \$49 MONITOR 21" \$119		Wholesale and Retail New & Used Computers, Notebooks & Parts Visit www.wintroniccomputers.com for latest Systems, Notebook and Parts prices and Information		HOT DEALS AMD 2300+ Sampron \$259 -Mid Tower ATX Case 350W -256MB Ram, -40 GB HDD -Integrated 32MB 3D Video -3D Sound - CD Rom 52x -11.2 Floppy Keyboard Mouse -Speaker Network Card 10/100					
IBM Thinkpad P3-1.8 Ghz Refurbished Notebook 20GB HD, 128MB Ram DVD/CDRW, Floppy, S&K, Lan, 14" TFT	IBM Thinkpad P3-1.0 Ghz Refurbished Notebook 20GB HD, 128MB Ram DVD, Sound S&K/NIC, 14" TFT, W1000	IBM Thinkpad P3-800 Mhz Refurbished Notebook 20GB HD, 128MB Ram DVD, Sound S&K/NIC, 14" TFT, W1000	IBM Thinkpad Centrino 1.6 Ghz Refurbished Notebook 13MB, 40GB HDD/CDRW Intel 802.11b wireless S&K, Optical Lan, 14GB Win XP Pro	IBM Thinkpad Intel 1.6 Ghz Refurbished Notebook 256MB, 200 HD, CD Rom, Lan, 14.2V, Win XP Pro	\$799	\$549	\$449	\$1099	\$799
P4-2.0Ghz Compaq EVO Refurbished Tower 40GB HD, 256MB Ram CD, Floppy, Sound Video, NIC 10/100	P4-2.5 Ghz IBM Refurb Desktop 40GB HD, 128MB Ram CD, Floppy, Sound Video, NIC 10/100	P3-1.0 Ghz Refurbished Desktop 20GB HD, 128MB Ram CD, Floppy, Sound Video, NIC 10/100	Dell P-800 Mhz Refurbished Tower 10GB HD, 256MB Ram CD, Floppy, Sound Video, NIC 10/100	P4-1.7Ghz Refurbished Desktop 20GB HD, 256MB Ram CD, Floppy, Sound Video, NIC 10/100 Win XP Pro	\$329	\$299	\$139	\$149	\$279

NEW LAPTOPS Asus A6N \$1499 Intel M 725 Centrino 1.6Ghz, 512MB DDR, 60GB, DVD/WRW, 15.4" TFT, S&K, 802.11b, XP Pro		Acer Aspire (AS5302NLCI) \$799 Intel Celeron M 440, 512MB DDR, 40GB, DVD/CDRW, 15.4" TFT, S&K, 802.11b, Linux OS	
Asus (Wintronic) Z91 \$1149 Combo Intel M 725 Centrino 1.6Ghz, 512MB DDR, 40GB, DVD/CDRW, 15.4" TFT, S&K, 10/100 Lan		Acer Aspire (AS3002WLCI) \$899 AMD Sempron 2000+, 256MB DDR, 40GB, DVD / CDRW, 15.4" TFT, S&K, 802.11g, XP Home	
Asus (Wintronic) M6BNe \$1649 Intel M 725 Centrino 1.6Ghz, 512MB DDR, 60GB, DVD/WRW, 15.4" TFT, S&K, 802.11g, Gigabit Lan		Acer Aspire (AS5002WLCI) \$1249 AMD Turion 64 3000+, 512MB DDR, 80GB, DVD/WRW, 15.4" TFT, S&K, 802.11g, XP Home	

Case Antec SX10400H P4 Midi 400 watt full tower w/ front USB CPU AMD Athlon 64 3200+ Motherboard Asus A8V deluxe socket 939 Memory (RAM) Samsung 512MB DDR 400 Hard Drive WD 160GB 7200 RPM Video Card BFG 6600GT 128MB PCI Express Optical Drive LG 16x Dual Layer DVD+RW Network 10/100 Ethernet Card Sound 5.1 Channel Sound Integrated	Speakers Creative 550 2.1 speakers Keyboard Microsoft Internet Keyboard Mouse Microsoft Optical Mouse Display Monitor not included Warranty 5 years, Labour, 1 year Parts Option 1 Add Windows XP Home \$119 Option 2 Add 1" LCD Monitor \$279 Option 3 Add Athlon 64 3300+ \$329	\$1099
---	---	---------------

17" SVGA MONITOR Perfect Flat \$99	Microsoft Keyboard/Mouse Optical \$35	17" LCD MONITOR \$289	DVD WRITER 16X4-Dual Layer \$55	DVD CASE 100 PACK \$15	CD CASE 100 PACK \$15
MULTIMEDIA SPEAKER 180W PIPO \$5	KEYBOARD & MOUSE Combo \$10	VIDEO CARD ATI RADEON 128MB \$45	WIRELESS-G LINKSYS 4 Port Router \$69	WIRELESS-G Microsoft 4 Port Router \$49	WIRELESS-G Microsoft PCMCIA NIC \$39
MEMORY 256MB DDR400 \$35	COLOR PRINTER Lexmark Z315 \$39	SOUND BLASTER LIVE 5.1 \$35	ATX CASE MID TOWER Front USB \$29	Blank CD Media 48X 50/100 Spindle \$9/18	Blank DVD Media 25/50 Spindle \$10/20
North York only Hard Drive Pulled 200 GB \$89 160 GB \$79 120GB \$69	Hard Drive Maxtor 80GB 7200 RPM \$65	To get special prices, please give reference of Hub Add	Call for Used Monitors Systems & Laptops	HARD DRIVE WD 200GB 8MB Cache \$119	HARD DRIVE WD 160GB 8MB Cache \$95
USB HUB 4 PORT \$7	USB EXTERNAL HD ENCLOSURE USB 2.0 \$30	USB EXTERNAL CD ENCLOSURE USB 2.0 \$35	USB TO SERIAL CONVERTER \$15	USB PCI 4 PORT \$15	FIREWIRE PCI 4 PORT \$15
PANSAT FTA RECEIVER COMPATIBLE \$99	DISEQC SWITCH 4 LNB \$89	DISEQC MOTOR \$19	SATELLITE FINDER \$19	SATELLITE DISH 33" \$49	FTA DigiWave 7000 \$109
KVM SWITCH 2 PORT \$29	P4 ECS Motherboard PM800-M2 \$49	AMD ECS Motherboard 741GX-M \$49	P4 ASUS Motherboard P4500-MX \$69	AMD ASUS Motherboard A7V400-MX \$65	NETWORK HUB 5 PORT \$19

All Prices are already 3% cash discounted - Prices and Specifications subject to change without notice - Not responsible for any typographical errors

videogames. Though videogames have long been synonymous with overweight couch potatoes, that stereotype is changing thanks to the emergence of a new genre of "fitness gaming" that actually helps people burn calories and get in shape.

Yourself! Fitness

One of the pioneers of the genre is ResponDesign's Yourself! Fitness, which is available for the Microsoft Xbox, Sony PlayStation 2 and PC. In Yourself! Fitness you'll meet a virtual personal trainer named Maya. After prompting you for the desired length and difficulty level, she'll take you through a workout by performing the exercises on-screen, complete with music, warm-up, cool-down and water breaks, which you can follow along with at home in the comfort of your den or living room.

Instead of well-worn exercise tapes where the workout is exactly the same every time, Maya will give you a different workout each session, drawing from more than 500 different exercises (including yoga and pilates). You can even tell Maya what equipment you have at home, such as stability ball, hand weights or step bench, and she will integrate that into the workout as well.

As well as one-time workouts, you can also work with Maya on long-term fitness goals in the areas of upper or lower body strength, cardio, core, or flexibility. She will suggest a workout schedule based on the results of a 20-minute fitness evaluation, and can even set up a complete weekly meal plan for you using a database of more than 4,500 different healthy recipes.

AA Electronics (905) 206-0931 WWW.AA-E.COM	
CCD CAMERAS & Systems Best Price Guarantee	
20/120 fps up to 16 cameras, software included made in Canada with Canadian License From \$75.00	23-350 125.00 1/3 Sony CCD 480 TV line Day & Night 10M
BandPass Speaker Boxes 500W (86-3012) \$65.00 400W (86-3010) \$55.00	CAT5e 1000ft High Quality \$45.00
87-828 Home Theater Speakers Front Speakers Set 3Way Bass Reflex 180W \$125.00 pair	50-4860 Aluminum Frame Handy Tool Box \$25.00
87-828 Home Theater Speakers Center 100W & 2 Rear 50W 2Way Bass Reflex \$75.00 3pcs	RGB 1000ft High Quality 64% Shielded \$45.00
33" EagleStar dish \$125.00	EagleStar Free to Air Satellite Receivers
WEEKLY SPECIALS WHOLESALE PRICES AVAILABLE 1350 Matheson Blvd Mississauga, Unit #8 L4W 4M1 TEL (905) 206-0931	

Business Directory

Call 416-348-9666 to place your Ad here

MOTOPHOTO

2674 Yonge Street, Toronto, ON
Tel: 416-489-3620 www.motophoto.ca

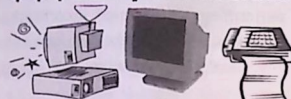
- Archive Your Home Videos and Movies to DVD
- Archive Your Records & Audio Tapes to CD
- Nonlinear DVD Editing and Authoring
- Archive Digital & Optical Photo Printing
- Digital Formats and Photo/Video Photos
- Quality Frames, Albums, Film, and Batteries

新資訊 BHEC Telecom Services Co.

Computer Recycling Centre

We pay **CASH \$\$\$** for your useless

- COMPUTERS
- MONITORS
- SCANNERS
- COPY MACHINES
- FAX MACHINES



Please Note: only large number of items accepted for recycling.

For more information, please contact us at:

Toronto Area
(905) 470-7125

Vancouver Area
(604) 276-9088

1stDataRecovery.com

Start from \$95 Dead drive recovery \$300 (with this AD)
From dead, deleted, formatted, fdisked, corrupted, virus infected, passworded, CD, water & fire damaged, overwritten, inaccessible devices: hard drive, raid, zip, DVD, removable, optical, flash memory, tape, audio / digital image files ...

Forensic service

Windows / Mac / Unix / NetWare

16 Years of Quality Service

Data back as little as 24 hrs.

Toll Free: 1-877-460-3670

Business hours: M-F: 10 am - 7 pm Sat: 11 am - 5 pm ET



157 Adelaide St. W., Suite 172, Toronto, ON M5H 4E7
1050 W. Pender St. Suite 745, Vancouver, BC V6E 3S7
info@1stDataRecovery.com www.1stDataRecovery.com

FREE domain & FREE hosting!

Quality & Commitment, We make your online business stand out!

Professional

Web Design

- E-commerce Solutions
- Database Applications
- Total Website Makeover
- Custom Programming
- CMS (Content Management)
- Graphic & Logo Design
- Website Troubleshooting
- Video Streaming

For a free consultation: email: info@smartsolution.ca
www.smartsolution.ca Tel: 416-825-4321

Back to school SALE

SUPER SAVERS!

- P3 450+15" Monitor \$99
- P3 733+17" Monitor \$169
- P3 866+19" Monitor \$189
- P3 1600+19" Monitor \$219
- Monitor Specials!
- 15" from \$25, 17" from \$35
- 19" from \$45, 21" from \$65

Pentium 4 PC's from \$ 299

Pentium 3 Notebooks from \$ 349

Pentium 2 Notebooks from \$ 199

Laser Printers from \$ 35

- ✓ Buy / Trade-in used PC's
- ✓ PC Repairs & Upgrades
- ✓ Home & Office Networking
- ✓ Recycling PC equipment

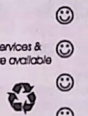
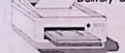
COMPUPoint Inc
www.compupoint.ca

17, 21 Progress Ave, Scarborough,
M1P 4S8, Email: info@compupoint.ca
Tel: 416 754 4812

INK & TONER SUPPLY

For Ink-Jet & Laser Printer / Copier Cartridges

UP to
80% Savings!



- ☺ Ink & Toner Cartridges Refill
- ☺ Compatible Ink Cartridges
- ☺ Ink Refill Kits
- ☺ Fax Films

Toronto

Call: (416) 822-0918

Mississauga

Call: (905) 275-8988

Address: 50 Weybright Court, Unit 43
(Midland & Sheppard)
Business Hours: Mon. - Sat. 12:00noon - 6:00pm

Address: 505 Queensway E., Suite 10E
(Queensway & Cawthra)
Business Hours: Mon. - Sat. 10:00am - 6:00pm

Transfer your Videos & Old Films to

DVD

- Broadcast Linear & Non Linear Editing
- Standards Conversions (NTSC/PAL/SECAM)
- Advanced DVD Authoring services for Motion Picture Films
- 8 & 16mm Films, Photos & Slides to Video or DVD
- Audio, Video, CD & DVD Duplication
- Professional Video Taping for Corporate & Television Productions
- High Definition Video/VGA Projector Rental

Overseas Video Lab
1359 Wilson Ave. Toronto, Ontario
www.overseasvideolab.com

(416) 244-1822
Since 1980

905.886.6399 info@supolutions.com

http://www.supolutions.com

- E-commerce Solutions
- Software Development
- Graphic and Logo Design
- Database Applications
- Advertising Design & Production
- Secure Server Integration

WEB DEVELOPMENT

SUP
solutions

Online Encyclopedias

Encyclopaedia Britannica Online

www.britannica.com

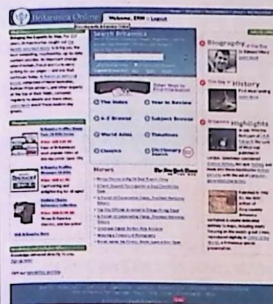
Cost: US\$11.95 per month; US\$64.95 per year

Good:

- Easy to navigate
- Extensive tables and sidebars

Bad:

- Somewhat weak on world content
- Pricy



The Britannica Premium online reference service incorporates articles from the 32-volume Encyclopaedia Britannica, the Britannica Student Encyclopaedia, and the Britannica Concise Encyclopaedia. The Web site is easy to navigate, and free of advertising save for a one relatively unobtrusive sidebar linking to Britannica CD-ROM products. The search function displays lists of articles with the option of limiting a search to a particular encyclopedia, or restricting it to multimedia, videos, magazines or Web sites. Each entry is displayed along with a sidebar of related con-

tent, including maps and flags, images, video and multimedia content, related articles, and Web sites – some are more relevant than others, but all seem to be culled from reputable and useful sources as opposed to unfiltered Internet spam. Larger topics (like Ontario) are broken into smaller topics that can be navigated from a sidebar (Northern Ontario, Southern Ontario, The people, The economy). In a nice touch, the bottom of the article displays the correct way to cite it in a bibliography, giving the option of MLA, APA and Britannica formats.

The database contains decent North American content (24 pages devoted to New York, 17 pages devoted to Ontario), but is weaker on world content, where info can be much sparser (one page on the entire country of Laos.)

World Book Online Reference Center

www.worldbookonline.com

Cost: US\$3.95 for three days; \$9.95 per month; \$49.95 per year

The ad-free main search page of the World Book Online Reference Center is a portal to a wealth of information including news headlines, monthly features, "Today in History", and an atlas. The articles themselves – all 25,000 of them – are reprinted from the 22-volume World Book print edition and augmented by 20,000 pictures and audio clips and about 13,000 historical articles from past World Book yearbooks. The articles are very easy to navigate, containing text integrated with

LAPTOP BLOW OUT SALE

• COMPAQ, IBM TECHNICIAN • NOTEBOOK REPAIR • FREE ESTIMATE •

We are notebook specialist!

• motherboard, LCD repair • password remove • data recover

IBM Thinkpad T20

P3-700 MHZ CPU
128 MB RAM
12GB HDD
DVD ROM
LAN/56K



Working Battery

\$375

IBM Thinkpad T22

P3-900 MHZ CPU
256 MB RAM
20GB HDD
DVD ROM
LAN/56K



Working Battery

\$475

Dell latitude C610

P3-1GHZ CPU
256MB RAM
20GB HDD
CDRW
LAN/56K



Working Battery

\$499

Dell latitude C400

Subnotebook
P3-1.2GHZ CPU
256MB RAM
20GB HDD
CDROM
LAN/56K



\$599

Compaq M700

P3-1GHZ CPU
256MB RAM
20GB HDD
DVDROM
LAN/56K



Working Battery

\$499

Toshiba Tec8000

P2-300 MHZ CPU
96 MB RAM
4-GB HDD
CDROM
56K Modem
13.3TFTLCD



From \$199

**HUNDREDS
LAPTOP PARTS
IN STOCK**

Laptop Parts

PC-100 256MB \$75
PC-133 256MB \$65
DDR-266 256MB \$45
DDR-333 512MB \$80
DDR-333 1GB \$175
DDR-2 400 1GB \$175

LCD Screen, Battery, CDRW, DVD, DVDRW, AC Adapter

17" Monitor from \$39

C.J. LAPTOP DEPOT

sales@cjaycomputers.com
www.cjaycomputers.com

321 COLLEGE ST. TORONTO 416-321-2911 416-9371537 11AM-7PM

YESA

cctv systems

**DEALERS ONLY
CALL FOR CATALOGUES**

PROFESSIONAL 4, 9, 16 CHANNELS DVR, AND DVR BOARDS

North American Electronics

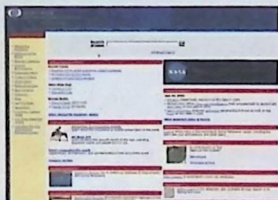
7860 Transmere Dr. Mississauga, Ontario, Canada L5S 1L9
Tel: (905) 671-6797 (905) 282-1498 Toll Free: 1-888-220-9872
E-mail: Alicia@na-electronics.com Website: www.na-electronics.com

Good:

- Excellent academic resources
- Easy navigation
- Good multimedia integration

Bad:

- No MLA style bibliographies



multimedia content, such as an audio sample of how to pronounce the word, links to relevant maps, pictures, tables with interesting facts, and panoramic 360-degree views (that require a separate free download to take advantage of.)

The tables in particular are excellent resources for interesting facts. In the entry for Ontario, for example, the relevant table contains facts like record high and low temperatures for the province, population density, and the date

that the province entered the Dominion.

Larger articles are organized into an information tree on the left-hand side for easy navigation.

Information on how to cite the article in a bibliography is included, but in only one format (it's unclear which style it is.)

Additionally, articles are accompanied by recommended suggestions for further investigating the topic, including book lists, other encyclopedia articles, and external Web links that take the user to reputable resources like newspaper articles and government- and University-affiliated Web sites.

MSN Encarta Premium

<http://encarta.msn.com>

Cost: US\$4.95 per month; US\$29.95 per year

Good:

- Extensive magazine article archive

Bad:

- Pages slow to load
- Cumbersome navigation
- Articles not always as in-depth

The collection of supplemental material in MSN's online encyclopedia is arguably the most valuable portion of the package, and includes a fairly extensive number of famous speeches,

interviews with notable figures culled from a variety of sources, a historical archive of important events from 1938 to 1999, and a "Magazine Center" database of archived articles from more than 100 magazines and journals including Time, Maclean's, Business Week, PC Magazine and Harper's.

The articles themselves [which number approximately 45,000] have been contributed by various authors and academics, but there's also an "Edit this section" tool that lets anyone suggest changes to an article. This seems a little dubious despite the site's assertion that each entry or alteration goes through a rigorous fact-checking process by the staff before it's posted (as opposed to other open-contribution encyclopedias like Wikipedia.org, where changes are posted instantaneously.)

You can use the standard site search command to find articles, or browse them by delving into thematic categories grouped from general

E 37



\$9.95

**Unlimited
Internet Access**
It's a bright idea!

- No contract
- No prepayment
- No banner ads
- No busy signals
- Free activation
- Free e-mail support
- Free anti-spam and anti-virus email filtering
- Internet access in 1,073 cities in Canada



1-888-478-2733
\$9.95 per month plus taxes.

www.ideal-access.com

to specific. However, topics generally don't have any organizational sidebar for quick navigation within a longer entry. Instead, the left side of the page is cluttered with suggested web links, quotations, and links to other parts of the site and multimedia content. For longer entries, there's no choice but to leaf through the entire document one page at a time – and given that the information is not densely packed, broader subjects generally require between 15 to 30 page-turns to get through.

Some topics are presented in "homepage" form, with organized links to topics and multimedia content, but why every article is not presented in this format is a mystery.

With links to Amazon.com to pass for "suggested reading" and links to MSNBC News for related news articles, Encarta is probably the most corporate and least academic of the encyclopedias in our roundup.

The Canadian Encyclopedia

<http://www.thecanadianencyclopedia.com> Cost: Free

For a more in-depth look at Canuck-centric topics, you can turn to the online Canadian Encyclopedia, a wonderful free resource that contains

Good:

Treats Canadian topics in depth

Bad:

Ignores topics with no ties to Canada

the complete text of the Canadian Encyclopedia (in both English and French), the Junior Encyclopedia of Canada, the Encyclopedia of Music in Canada, and Maclean's magazine

archives – approximately 30,000 entries in all.

The search function displays pages of results grouped by the title of the article, and denotes which book it came from. You can narrow your search to a particular encyclopedia, and also specify a search for maps, pictures, video or audio media. There's no option to search by letter, but there is a subject index tree that groups topics by general to specific.

The pages are sparse and free of ads, and contain fun links to timelines, quizzes and "On this day in history" as well as abundant links to relevant related articles. Where applicable, articles are accompanied by video files and sound bytes; for example, the entry for pianist Glenn Gould has links to several excerpts of his piano recordings.

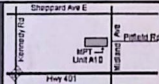
Just keep in mind, however, that this resource won't replace a traditional encyclopedia. Many important topics don't get a mention at all, and when they do, they are all dealt with in a Canadian context. The entry for China, for example, discusses such things as the migration of the Chinese to Canada, the various Cantonese opera houses in Canadian cities, and the history of political relations between Canada and China.

At the same time, it's the only encyclopedia where you can find entries for the Vancouver punk band D.O.A. or the Trailer Park Boys.

By Erin Bell

MPT

2370 MIDLAND Ave. Unit A10, Scarborough, ON, M1S 5C6
TEL: 416-292-0533 Hours: 10am-7pm Mon-Fri, 10am-5pm Sat, closed Sunday
** prices are cash discounted and subject to change **
For more specials visit WWW.MPTCOMPUTERS.COM



Directions from Hwy 401
- exit Kennedy Rd. NORTH
- Sheppard Ave. EAST
- Midland Ave. SOUTH
- turn right at 1st traffic light
- (2370 Winco Business Park)
- we are Unit A10



40GB Digital Photo Bank
- with 9-in-1 card reader
- high speed USB 2.0

\$189



40GB Multimedia Player
- playback video/audio/image
- supports most file formats

\$239



40GB MP3 Flash HD
- stores & plays MP3's
- with 9-in-1 card reader

\$269



!! BACK TO SCHOOL SPECIAL !!

Compaq / DELL (refurbished)
Intel P3-M 1.06Ghz Processor
14.1" Colour TFT 1024x768
256MB PC-133 SDRAM
20GB Hard Drive, CD/DVD
10/100 Ethernet, 56k modem
Windows 2000 Professional

from **\$549**



*other models available

ACER NOTEBOOK*

Intel Celeron-M 1.4Ghz Processor
15" Colour TFT 1024x768
256MB DDR-333 Memory
40GB HDD, CD-RW / DVD-ROM
Wireless LAN 802.11 b / g
10/100 LAN, 56k v.92 faxmodem
(operating system not included)

from **\$799**



MP3 car transmitter
- plug into any CD/MP3
player and listen through
your car stereo speakers

\$19



MP3 car companion
- plug in any USB/flash
media and listen through
your car stereo speakers

\$59



512MB MP3 player
- w/ voice recorder
- also avail. w/IFM
call for details

\$99



Notebook Carrying Case
* with shoulder strap *

\$19



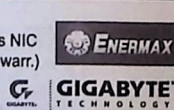
Mini USB Optical Mouse
* Wireless *

\$26



PCMCIA Wireless NIC
(refurbished, 1yr warr.)

\$39



Cisco Training

WinNET Produced 106 CCIEs



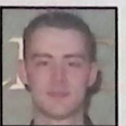
Tejas Suthar
CCIE # 8423, Telus



Ravi Chandran
CCIE # 8671, Telus



Shane Lal
CCIE # 10214, ICS



Terence Summerville
CCIE # 8827, Infocast



Virginia Santos
CCIE # 9434, Bell Canada



Suresh Kashy
CCIE # 12028, BT



Darryl Cotha
CCIE # 11912, Bell Canada



S. Kanagasundaram
CCIE # 12417



Nigel Maharaj
CCIE # 9916, IBM Global Service



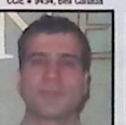
Hans Ma
CCIE # 10424, GAA



Kamran Adil
CCIE # 10373, Bell Canada



Edwin Lukach
CCIE # 11263



Usman Mahmood
CCIE # 9900, Next Innovation



Giuseppe Giorgio
CCIE # 10422, Next Innovation



Hankeeran Somasundaram
CCIE # 11904, Stargate



Kamish Narayanan
CCIE # 12087, Telus



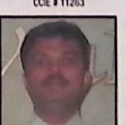
Edward Rake
CCIE # 11112



Barry Low
CCIE # 11433



Raj Thara
CCIE # 10425, Telus



Ganesh Shanmugalingam
CCIE # 10662, AT & T



Ahmed Khan
CCIE # 11146



Roshan Ashar
CCIE # 11810



Fouzan Siddiqui
CCIE # 11653



Amir Syed
CCIE # 12249



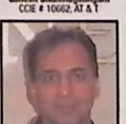
Craig Henriquez
CCIE # 11160, Network Builder



Sami Saporito
CCIE # 11142



Syed Mubshir
CCIE # 11513



Sarwar Jamal
CCIE # 11562, Bell Canada



Zar Skarselaki
CCIE # 11575, Telus



Sneha Neelakumar
CCIE # 11031, Cisco



Vinod Neelakumar
CCIE # 12029, Telus



Muhammad Shahid
CCIE # 12143



John Link
CCIE # 11517



Andre Jullien
CCIE # 12142, Telus



Irene Tsouk
CCIE # 12172, CIG



Abu Uddin
CCIE # 12150, Outsource IT



Kulan Perikar
CCIE # 12173, Bell Canada



Mahesh Abus
CCIE # 12171, Compugen



Haroon Shafiq
CCIE # 12086, EDS



John Link
CCIE # 11517

More CCIEs: — Names and Numbers —

Lili Zhao, CCIE # 10252
Mehrdad Mostafaei, CCIE # 10303
Suresh Vijayakumar, CCIE # 10305
Muhammad Aamir, CCIE # 11429
Haniq Dhillon, CCIE # 11539
Felix Wink, CCIE # 11804
Lawrence Imhoff, CCIE # 12000

CCNA

\$399

CCIE Theory / Lab

CCIE Bootcamp

BGP / ATM / Wireless

CCNP Module

\$599

CCSP - PIX / VPN / IDS

CCIP - QOS / MPLS

VOICE / IP Telephony

Visit the best CISCO lab in Toronto

- Over 400 Cisco Routers - 7500, 4500, 3600, 2600 & 2500
- ATM Switch, Catalyst 3550 and Pix Firewall
- ISDN lines, ADSL Line & Frame Relay Circuit
- Catalyst 5500, 5000 & 2900 Switches
- 30 CCIE pods, each includes 9 routers & 2 switches (3550)



The courses are designed by
HARITH

Triple CCIE - SP, Security & R/S
B.Sc. Eng., MIBM, CNE, MCSE, CCNP, CCDP, Cisco Security
Specialist & Cisco Voice Specialist, MS Certified Trainer

WinNET SYSTEMS
HI-TECH TRAINING & CONSULTING

TORONTO
1200 Eglinton Ave. East, Suite 100, Toronto
(Don Mills & Eglinton)

Tel: 416.447.TEST (8378)
www.winnet.ca

Getting gear: Back to school computer buyer's guide

If you're getting ready to head back to school, and you're looking for a new computer to make the journey with you, you'll want to balance what you need with what you can afford, while still making sure you have room left over in your dorm to, you know, have a place to sleep. Here are a few tips:



The desktop option

The desktop computer has long been the most popular pick for students thanks to its relatively affordable price. There are a tonne of value-oriented desktop PCs out there that come loaded with lots of high-end components, especially when you start looking at computers made by some of the smaller builders.

If your main concerns are writing essays, surfing the Internet, and checking your email, you can get by with virtually any computer – none of these tasks are overly demanding, so you won't need the newest and fastest machine out there. That means you can opt for the model with the Celeron processor and only 256MB or 512MB of RAM. If you're really on a budget, you can get a complete system – including monitor – for around \$500 if you shop around.

Even with modest specs, you should still be able to watch DVD movies on the machine, as well as play your MP3 files. With a low-cost machine, though, your graphics capabilities may not be good enough to handle the current videogames, and your upgrade potential may be limited. You also won't find such a machine well-suited to photo or video editing, let alone graphics or design work, so if you're planning to be a multimedia baron, plan to spend a bit extra.

If your computing needs are going to be a bit more intensive, you're going to want to opt for more. For about \$750 you can start looking at systems with a full on Pentium 4 processor, but to get a good video card



Your Ultimate Source for Computer & Entertainment Accessories

www.Allway.ca

Net Finder and Keystone Jacks

Security Cameras

FSP Fanless 300W PSU And Notebook Adaptor

SATA and Mobile Drive Enclosures

ALLWAY

For
Dealers
only

Allway Technologies (Ontario) Inc.
Tel: 905-477-0888 Fax: 905-477-0890 Toll Free: 1-888-563-9171
#8 - 200 Cochrane Drive, Markham, Ontario, Canada L3R 8E8

Allway Technologies Inc.
Tel: 604-232-3981 Fax: 604-232-3984 Toll Free: 1-888-633-5656
#5 - 3671 Viking Way, Richmond BC, Canada V6V 2J5

and a decent flat panel monitor, you're definitely going to want to budget between \$1,000 and \$1,500, at the very least. If you really want to get a top-notch gaming system that will play Quake 4 when it comes out, be prepared to invest even more.

If you're an Apple fan, the bad news is that the newest iMac line is pretty pricey thanks to the inclusion of a large LCD screen. The good news is that you can still get the CRT-based eMac, starting at around \$1,000. Even better news: if you already have a monitor, keyboard and mouse, the ultra-compact Mac Mini starts at just \$629. Neither of these options will provide you with the highest-end equipment – you're looking at a G4 processor between 1.33 and 1.42GHz. If you need that extra boost of power, the G5-based flat-panel iMac starts at \$1,599 for the 17-inch version.

The notebook option

If you think that notebooks are only an option if you've got gobs of cash at your disposal, think again. Many Windows-based notebooks are available for well under \$1,000. Also, if you're going to be living in a room where space is really tight, it may well be worth spending the extra money to get a notebook instead of a desktop computer, for a couple of reasons: First off, when you're done writing for the night, you can just fold up your computer and tuck it away under the bed. Also, if you're sharing quarters with someone who talks on the phone all day or blares the TV, you can take the notebook somewhere else to get some work done. And of course, you can take it to classes with you.

The same basic things apply when you're looking for a low-end notebook. As with value-oriented desktop machines, low-cost notebooks will have lower-end processors, like the mobile Celeron, and will feature pretty basic graphics components. Because of that, they'll be best suited for tasks like writing, surfing or checking email.

If that wasn't bad enough, notebooks have even more limited potential for upgrade; you can increase the RAM in some cases, or swap out the hard drive, but you're stuck with the motherboard, graphics card and screen for as long as you have the notebook. For that reason, it's smart to get the best you can afford, and then borrow a bit more so you can get something even better.

Unfortunately, the cost tends to really add up quickly when you're getting a notebook: for a machine that will double as your DVD player and play a few of the mid-level games, budget \$1,500 to \$2,000. Don't even think about buying a notebook that'll play the newest games unless you have cashola coming out of your you-know-what. As an example, the base-level Dell XPS game-friendly notebook is over \$2,800, and you can pump it up well over \$5,000.

Mac fans will have to pony up a bit extra for the 12-inch iBook, which starts at \$1,249. The good news is that it comes pre-loaded with the newest version of the OS, and features the iLife software bundle – in other words, hours and hours of GarageBand fun, the ability to play your DVDs and organize your photos, and tonnes more.

By Sean Carruthers

Acanac.com



Best prices in the industry
Download at 4Mbps
Upload at 0.8Mbps!
500MB per attachment



**FASTER SPEEDS
 LOWER PRICES!**

Personal

DSL

Speed..... 4032/800Kps
 Bandwidth Traffic..... Unlimited
 DSL Modem..... Modem Included
 Filters..... 2 Filters Included
 Email Accounts..... 100
 Virus Checker..... Yes
 Attachments..... Send up 500MB
 Email Storage..... 10GB
 IP's Address..... 5 Dynamic IP's
 Referral Program..... Yes
 Discount Store..... Yes
 News and Events..... Yes
 Download Area..... Yes
 Gaming..... Yes
 Community..... Yes
 Support..... 24 hours a day

From \$33.95/mo

Phone Service

VoIP

VoiceMail Box's
 Caller ID
 Call Waiting
 Call Forwarding
 3-Way Calling
 Call Transfer
 Call Return
 Caller ID Block
 Forward on Busy
 Do not Disturb
 International Rates
 Detail Records
 Free fax Line
 Free Long Distance
 Community
 Support

Why pay extra for voicemail service when it comes free with all of our plans..

Caller ID with Name
 Call Waiting
 Area Code Selection
 Caller ID on Call Waiting
 Call Transfer
 Store up to 5000
 Voicemail
 Retrieve your messages
 by using Phone, Email,
 or the Internet

From \$16.95/mo



CALL: 1-866-583-8051

Connected: Photoshop CS 2

HUB's personal computing columnist Ray Richards recently sat down with Adobe's senior application developer Colin Smith to talk about the new version of Photoshop included in Adobe's imaging and publishing collection Creative Suite 2.

HUB: Colin, give us an idea of some of the new features you've developed for this version of Photoshop – for example, the one-click red-eye correction, which instantly eliminates this persistent photography problem.

Colin: Definitely, that's a beautiful feature. We actually stole that from Photoshop Elements and we created it just because of the ease of use that our customers have in that, our consumer level product. I just showed it last night to a bunch of [Photoshop] users and they just flipped out, I mean that's something people want – they want us to make it easy ...

HUB: So do you see more of these one click features being put into Photoshop?

Colin: Yes, and we definitely have, including something called the Spot Healing Brush tool – and that came again from Elements. We added the Healing Brush in Photoshop in previous versions and it required clicking in two places: clicking in an area that had good texture and then painting in an area with poor texture. But I guess that was too compli-

cated for some consumers. So we rolled it into one tool, the Spot Healing Brush, and it does kind of a randomizing pattern which is really good for things like, lets say you wanted to take a sprinkler out of a front lawn, you just simply brush over the sprinkler and it will grab grass from around the sprinkler and fill in that area for you.

HUB: What about Image Warp?

Colin: Oh, that's a tremendous feature. It's the same technique that we've had for warping text and we can now apply it to an image and it's really powerful because we can use the typical things we have in Photoshop [for text] like make it wave like a flag, but then you can also just manually move areas. So for instance, I extended a model's hair so that it was blowing in the wind a little bit more and I just grabbed it and started warping it and in the past that would have been a difficult job to do in Photoshop.

HUB: Well speaking of blowing in the wind, you also have animation in the application now.

Colin: Yeah, we're starting to move more of the features of Image Ready into Photoshop with the final goal of merging all of the Image Ready features into one application so we're just using Photoshop.

HUB: That's a really great idea.

COMPUTER DEPOT



17" LCD \$269
19" LCD \$349



50 spindle
CD-R 700mb
\$8.99



Ridata 8X
DVD-R 50pcs
\$25



40GB HD \$55
80GB HD \$69
250GB \$169



LG 16X
DVD+RW
\$59



USB 2.0 HDD
Enclosure
\$19



MS wireless
router+pcmcia
\$89



Mp3 +FM+USB
256MB \$59
512MB \$79



512Mb
Sandisk USB
\$49

UPGRADE BUNDLE
ECS socket 478 mainboard
Intel Celeron 2.4Ghz 533
3D video / sound / network
ATX case with 350W PS
NOW ONLY \$199



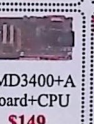
ECS PM800
board 478
\$59



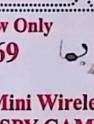
ECS 661FX
board 775
\$69



MSI Fx5200
128MB AGP
\$59



AMD3400+A
Board+CPU
\$149



Now Only \$69
Mini Wireless SPY CAM

DVD DUPLICATORS

1 to 3 **\$509**
1 to 7 **\$989**

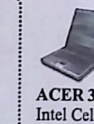
256MB DDR3200 **\$35**
512MB DDR3200 **\$55**
1024MB DDR3200 **\$109**



AMD Athlon
64Bit 3000+
\$189



INTEL 775
P 4 3.0Ghz
\$229



Now Only \$749
ACER 3502 Laptop
Intel Celeron M 1.3Gh
256MB DDRAM
40GB hard drive
DVD/CD-RW drive
15" Wide Screen
64MB 3DVideoSound
Integrated sound
Wireless Network
AC adapter/battery
Windows XP \$149
Free Headset w/ Mic



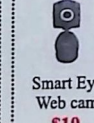
GREAT DEALS ON NEW SYSTEMS!!!



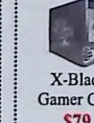
Mercury 4IN1
3.1Mpx Digital
\$99



Canon Printer
IP2000
\$59



Smart Eye
Web cam
\$19



X-Blade
Gamer Case
\$79

BRAMPTON
(905) 455-8111
239 Queen St. E.

MISSISSAUGA
(905) 804-1600
800 Dundas St. E. #B



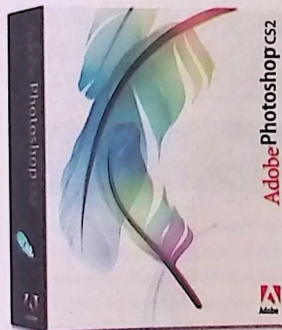
Store Hour: Mon-Fri 10-8, Sat 10-6, Sun Closed
www.computerdepotca.com

Prices are subject to change without notice
3% already cash discounted

Colin: Yeah, and you know that was just the fact that these applications were developed by different groups and we've benefited from that – there's been some great innovations in Image Ready that we're moving to Photoshop, and eventually the goal is to just move everything over: One app to do all your work.

HUB: Another new feature I was really impressed with was the new Vanishing Point tool, which allows you to dynamically clone areas of a photo and paint them into another area while retaining perspective.

Colin: Customers have been using cloning and painting for years, and any time they encounter an image with some level of perspective – let's say the side of a building or a sidewalk or a wooden deck, that you can obviously see the change in image as it moves further away from the camera – things get smaller, and trying to clone is difficult because your clone brush is one size.



HUB: So you'd have to keep changing brush sizes.

Colin: Right, so now if you draw a three dimensional plane and vanishing point, for instance on a deck, as you

move that clone brush further from the camera it will get now get smaller and if you bring it closer it gets bigger. In fact, I show a demo when I work with customers where I take a deck and I remove a couple of objects from its surface. I can do it with Vanishing Point in under two minutes where before as a professional that job would take me two to three hours to clean up.

HUB: Another improvement that I've been looking for a long time for in Photoshop that Adobe has finally addressed is the change to the font menu.

Colin: Yep, that's been a big request for a long time to make the font menu a WYSIWYG menu. I've heard that request over the years and the old adage used to be "look, if you're a designer, you know what font you want." But most people now have so many fonts that we can't remember what they all look like.

HUB: Colin, thanks for speaking with us today.

Colin: It was my pleasure.

By Ray Richards

\$60 Rebate when you buy any Cell Phone with new activation*

www.simstarmobile.com

Plan A					Plan B					Plan C					Plan D				
\$9.95/mth*					\$19.95/mth*					\$25.95/mth*					\$35.95/mth*				
150 min.					250 min.					200 min.					300 min.				
Local Call					Local Call					Across Canada					Across Canada				
No Contract					No Contract					No Contract					No Contract				
*Some conditions apply																			
Nokia-8800 3230 6101 N91 N90 					Panasonic X800 Sharp Sx813 					Motorola mpv220 V3 V8 									
Samsung D500 E720 E730 Z300 Z500 					SonyEricsson K750i Z800i W800 					Dopod 575 585 Mini 02 									
Toronto Area Pacific Mall 4300 Steeles Ave. E. #E75 (905) 470-7125					Richmond Empire Centre 1455-4540 No. 3 Rd. (604) 276-9088					Vancouver Area Richmond Aberdeen Centre 2280-4151 Hazelbridge Way (604) 276-8669					Burnaby Crystal Mall 1212-4500 Kingsway (604) 436-9003				

Cutting the wire

Cell phones and pay-as-you-go plans

When I purchased my very first cell phone, I found myself among a select club of early adopters who were regarded by those not so equipped as necessarily well-to-do. While status was not the reason behind my acquisition (I just love cool gadgets) it became readily apparent that people viewed me differently when I toted my new toy around.

Fourteen years and six handsets later, after finally becoming frustrated with the expense and the fact that seemingly everyone on the planet had access to my cell number (including a battalion of telephone solicitors), I decided to cancel my service. I figured if it was that important to get 'hold of me, they'd just leave a message.

This was, though somewhat irritating, ultimately ok with me; that is, until my car broke down on the highway, in a traffic jam, a heat wave and, as good fortune would have it, the fast lane. Suddenly my CAA card didn't seem particularly valuable, save as a fan.

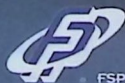
So, after a year of being phoneless, my resolve had finally broken and I determined to acquire a new mobile handset. My criteria was as follows:

- 1) The plan had to be inexpensive
- 2) The coverage must be excellent
- 3) The phone had to be cool

In my research I discovered that while there are a dizzying array of rate plans available, they defy adequate comparison. Eventually, however, I did come to understand that to reduce my monthly charges to a minimum, the best deals were to be had in the Pay as You Go plans now offered by every service provider. I decided to use the one measure they all had in common to gain perspective upon which to base my decision: the flat rate "anytime" per minute charge. (See table below.)

Given my coverage requirement and the fact that Virgin Mobile is only available in select cities, my choice from a pricing perspective became

Cellular Provider	Pay as You Go Rate Anytime Per Minute	Days Before Expiry	Minimum Purchase for this Plan
Bell Mobility	\$ 0.35	60 Days	\$25
Rogers Wireless	\$ 0.33	30 Days	\$10
Telus	\$ 0.33	60 Days	\$25
Fido	\$ 0.15	60 Days	\$30
Virgin Mobile	\$ 0.20	120 Days	\$25



Blue Storm Series

Navigate the Most Powerful Way
Improve PC Speed and Effectiveness



FSP350-60THN-R / FSP400-60THN-R / AX500-A

ZEN-Fanless



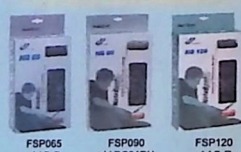
FSP300-60GNF-R

SAGA



AX400-PN / AX450-PN

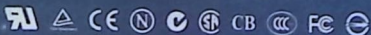
NB Series



FSP065
-AAB-R

FSP090
-1ADC21RN

FSP120
-AAC-R



www.fspgroupusa.com

obvious. It worked out that with Fido, instead of paying an average minimum monthly charge of around \$30 when all is said and done on a contract plan, I could stretch that exact sum over two months – doubling my value for money. Sure, I wouldn't get as many monthly minutes, but who needs to take on average more than six one-minute cell calls every single day? Not me. Even if I were to burn through 200 minutes in a month, that would still leave me at the same pricing threshold as the contract plans, and I could top my account up with minutes any time over the 'net.

Next on my list was coverage. Rogers Wireless has the largest integrated voice and data network in Canada with Bell running a close second. Telus, on the other hand, has fairly impressive coverage too, but depends on analog service for a substantial portion of it. Fido, having just announced an arrangement that allows its customers to access the Rogers cellular network, and the fact that their GSM service is available in over 165 countries is now also among the largest. This fact, combined with the tabled pricing structure, gave the nod again to Fido.

Finally, I wanted something that was cool – a phone with a camera, Bluetooth (to interact with my PDA and support wireless headsets), colour screen, Internet access, text messaging and infrared (to connect to my notebook), and I didn't want to pay more than around \$300. While each provider has devices that meet these requirements, none save Rogers and Fido were also able to meet my pricing criteria. The top contenders were the Nokia 6620 from Rogers at \$304 and the Sony Ericsson T610 from Fido for \$300. Both phones had everything I wanted, yet the Nokia had a better screen resolution (176x208 vs. 128x160), the ability to play MP3s and higher camera resolution as well (640x480 vs. 288x352). The T610 is, on the other hand, a little smaller.

In the end I went with Fido and the T610.

Final impressions? Alas, as always, the devil is in the details. I am not often foiled by fine print, but in this case, it seems I was. Fido's much vaunted expanded network and per second billing are only available to those on a monthly contract – and the former at a premium of \$5 per month.

Fido does make it quite painless to transfer over to a contract (what a surprise) and their terms are among the most reasonable in the business. Resistance, it seems, may be indeed futile – but I haven't given up yet!

By Ray Richards



KOATOF PC SERVICES

Your #1 Computer Consultants

KI

1 PENTIUM 3
256MB, CD-RW, SOUND,
KEYBOARD/MOUSE,
15" MONITOR,
VIDEO.56K MODEM,
USB, NIC
\$412.00

2 PENTIUM 4 C2.66
256MB,
80GB,
DVD, DVD-RW, SOUND,
KEYBOARD/MOUSE,
17" FLATMONITOR,
VIDEO.56K MODEM,
USB, NIC
\$665.00

3 AMD 64-3000
512MB,
80GB,
DVD-RW, SOUND,
KEYBOARD/MOUSE,
17" FLATMONITOR,
VIDEO.56K MODEM,
USB, NIC
\$829.00

4 PENTIUM 4 3.0G
512MB,
80GB,
DVD-RW, SOUND,
KEYBOARD/MOUSE,
17" FLATMONITOR,
VIDEO.56K MODEM,
USB, NIC
\$930.00

5 NEW & USED LAPTOPS
P2, P3 & P4 S
FREE LEATHER CASE
WITH ALL
LAPTOP PURCHASES
STARTING FROM
\$529.00

*** VIRUS & WORMS**
Computer training, virus?
Spyware? Adware? Pop Ups?
Full Computer Cleaning
STARTING FROM
\$39.99

*** Free Long distance plans available!**

Contact Us today at
7171 Torbram Road, Unit 4
Mississauga, Ontario.
L4T 3W4
Ph: 905 461 9508
Toll Free: 1 866 654 0461
Fax: 905 461 9510
E-mail: sales@koatofcs.com
www.koatofcs.com

Cool/New Products @ EfstonScience



OWI ROBOTIC ARM
TRAINER KIT



DIGITAL BLUE QX5
COMPUTER MICROSCOPE



GARMIN IQE 3600
SUPER GPS

EfstonScience carries Canada's largest selection of scientific products. See for yourself at our SuperStore on visit us online at www.eScience.ca



EfstonScience
The Science & Astronomy SuperStore

3350 Dufferin St., Toronto
(416) 787-4581 (888) 777-5255
www.eScience.ca

SPECIAL SAVINGS
IN STORE: \$5 OFF ANY PURCHASE OVER \$50 w/ THIS AD
ONLINE: FREE SHIPPING USE PROMO CODE HBAS

Hit the road: The crazy world of MP3

So you're looking for a new MP3 player for the remainder of the summer, or maybe a model to take back to school? Here's a quick overview:

Apple

Between the Shuffle and the iPod Mini, Apple's MP3 players continue to be the hottest thing on the block. The Mini line now comes in two flavours: 4GB (\$249) and 6GB (\$319), which works out to about 1,000 or 1,500 songs. While there's speculation that an 8GB model is right around the corner, there's been no announcement at press time.

While there have been a few rumours of iPod Shuffle models in 2GB and 4GB capacities, the compact screenless player is still only available in 512MB (\$129) and 1GB (\$169) capacities at present.

One interesting note is that all full-size iPods are now photo-enabled, and as such the iPod Photo moniker has been dropped. The 20GB model goes for \$379, and the 60GB version will set you back \$519.

There's continued talk that Motorola will soon announce the new iTunes phone, but as of yet, nothing has materialized.

Creative

After a bit of a slow period, Creative has some big news.

First up, the Zen Micro Photo – first offered as a sneak preview at the Consumer Electronics Show in January – is scheduled to launch in August. Though it still comes with the small OLED screen for showing off small versions of your photos, the player will now come with an 8GB hard drive. Price is to be determined.

The Zen Vision, an updated Portable Media Center design, will also launch in August. Though this player will also feature a 20GB hard drive, the physical size will be much smaller than the original Zen Portable Media Center, and consequently more portable. There's still no ability to record video directly onto the player, but the player will feature a built-in CompactFlash slot, so you can add media from your other portable devices while you're on the road. Price is TBD.



Incidentally, if you were wondering what the Zen Nano is, it's just a renamed version of the MuVo Micro. It's still the same ultra-compact player otherwise, with up to 1GB of flash memory onboard, and a built-in FM tuner.

iRiver

The 5GB version of iRiver's compact H10 hard drive player was so popular that the company also added 1GB, 6GB and 20GB models to the lineup, all with built-in FM tuners in addition to the MP3 and photo display capabilities. All models are now available in the US, with Canadian availability and pricing is still to be determined.

Samsung

The new mantra for the Yepp is multimedia, which is why three of the new models feature colour screens with photo display capabilities.

The Yepp YH-820 features a 5GB hard drive, and displays photos on its small colour screen. The 20GB YH-925 model also displays photos, but on a slightly larger 1.8-inch [160x128 pixel] display.

Sony

The Walkman brand name has been around for quite some time, but since everything went digital, Sony has had to fight for its place in the portable music space. Earlier this year, the company introduced three new series of the Network Walkman.

The Network Walkman 500 series of flash-based players features the 512MB (\$220) and 1GB (\$280) models, both of which come with a built-in FM tuner. The 400 series models come with 1GB (\$250), 512MB (\$199) or 256MB (\$170), skipping the FM tuner to come in at that cheaper price. Both the 400 and 500 series models feature an internal rechargeable battery in a design that looks almost like a mini hip-flask.

If you're looking for something more basic that takes off-the-shelf batteries, the 100 series is a down-and-dirty player with a more basic

design that you won't be afraid of actually using for fear of scuffing up the beautiful shiny design. The player comes in 256 MB, 512MB and 1GB capacities, and all models in the 100 series use a single AAA battery for up to 70 hours of playback.

By Sean Carruthers

Questions and comments relating to the wireless section, including Sean Carruthers' monthly column, can be sent to: wireless@publishing.ca.



The Watch List


Electrovaya PowerPad 300


www.electrovaya.com

\$1039


If you're one of those road warriors who's constantly running out of battery power on your extended jaunts around the globe, Electrovaya may have just the thing for you to stay powered up. The PowerPad 300 is the company's newest external battery solution for notebook computers, and it's no lightweight: it checks in at over 6.5 pounds, but it provides up to 24 hours of continuous runtime for your notebook ... just charge it up, then plug it into your notebook's power port with the proper cable. That's three whole days of nine-to-five work without having to find a place to plug in. The weight will certainly put a strain on your shoulder, but for those who are already lugging around numerous batteries to swap into the notebook, it's a great all-in-one solution.

Safe Power





ASK FOR SAFE POWER



THE PROFESSIONAL POWER SUPPLY FOR A GREAT VALUE!

DISTRIBUTORS:

Samtack (905.940.1880)

FTC (905.940.6638)

Tomken Tech (905.565.8839)

Power One (905.948.8000)

Marscomputer.net (905.513.0606)

Plus media (905.513.6588)

Available in 450W & 550W

Also available at

Aplus (416.324.9856)

Technotrade (519) 571-8900

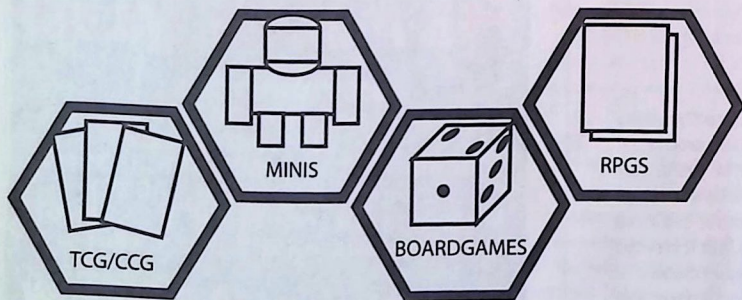
some things in life are

simple



two headed dragon

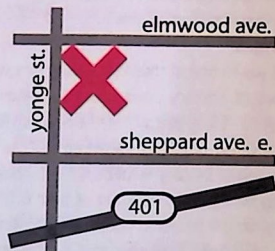
let's make playing games simple



416 221 5004

www.twoheadeddragon.com

5017 yonge st., 2nd. floor



join us on the 2nd floor
free parking off elmwood ave.

High-Tech High-School



Binders, books and backpacks are far from the only "must-have" tools for students in the 21st Century. Technology, such as an Internet-connected computer, is now a necessity rather than a luxury. Handheld devices, PC peripherals and clever software packages can also help students gain an edge – or at least have a little fun to offset the pressures of exams, report cards and university applications.

The following are a few recommended products to consider when preparing for a brand new school year.

GUNTAIWARE

<http://www.guntaiware.com>

Intel Celeron D 2.4GHz

512MB Samsung DDR memory
ASUS P4S80-MX SI851 Motherboard
80GB 7200rpm HD
52x CD Rewriter
Embedded SIS 3D Graphics
ADI AD1888 5.1 audio
6 USB2.0 port, 10/100 ethernet
Black/Silver Toolless Midtower
80mm Cooling fan
ISO 300W Power Supply
Keyboard & Mouse
Speaker

Celeron D 2.8 5378
Pentium 4 2.4 5420
Pentium 4 2.8 5467

\$387

Intel Pentium 4-640 3.2GHz

64bit, LGA775 2MB L2, Hyper-Threading
OCZ 1GB DDR2 533MHz Dual Channel Memory
ASUS P5GDC-Deluxe Intel 915P DDR2 MB
WD 250GB SATA 8MB 7200rpm HD
Pioneer DVR109 16x DVD Writer
BenQ 16x DVD Rom
ATI Radeon X700Pro 256MB PCIe TV-Out
C-Media 7.1 HD Audio, IDE/SATA RAID
8 USB2.0 port, 2 FW Port, 1Gbps LAN
Side Window LED Fan Tower
Tagan 420W 24pin ATX2.0 Dual Fan PSU
Logitech LX300 Cordless Desktop

P4 530 3.0GHz 1M 1159
P4 540 3.2GHz 1M 1210
P4 650 3.4GHz 2MB 91459

\$1295

AMD Sempron 2400+

Hynix 256MB DDR400 memory
ATI KM400-MLV VIA MATHX Motherboard
80GB 7200rpm HDD
16x DVD Rom
S3 ProSavage8 3D Accelerator
Realtek 5.1ch Audio
6 USB2.0 port
10/100 Ethernet, SATA Raid
Black/Silver Mid Tower
300W CE Power Supply
2 Channel Speaker
Keyboard and mouse

Sempron 2400+ \$341
Sempron 2800+ \$368
Sempron 3000+ \$385

\$336

AMD Athlon64 3000+

Apacer 1GB DDR400 CL2.5 Dual Channel
MSI K8N NEO4+ nForce4 Motherboard
WD 200GB SATA 8MB 7200rpm HDD
Pioneer DVR109 16x DVD Writer
nVidia 6800GT 128MB DVI/TV-Out
Karranjan 8ch Audio, Dual Gigabit LAN
8 USB2.0 port, 1 firewire port
Dual Gigabit LAN port
Thermalake Tsunami side window
Tagan 420W Super Silent PSU
Logitech LX300 Cordless Desktop
Subwoofer speaker

Athlon 64 3000 \$848
Athlon 64 3500 \$938
Athlon 64 3800 \$1057

\$788

Athlon 64 3000 \$1228
Athlon 64 3200 \$1283
Athlon 64 3000 \$1455

\$1373

First Markham Place, Unit 127
3255 Hwy 7 East, Markham, Ontario
(905) 940-0333
sales@guntaiware.com



ELITEGROUP
BenQ
Enjoyment Matters

Retail Processor w/ Heat Sink & Cooling Fan

Intel P4 Socket 478
2.4A / 2.66 \$153 / 200
3.0E / 3.2E \$221 / 284

Intel P4-J LGA775
530J 3.0/540J 3.2 \$212 / 263
550J 3.4/560J 3.6 \$339 / 505

Intel P4 64bit L775
630 3.0GHz 2MB L2 \$283
640 3.2GHz 2MB L2 \$342
650 3.4GHz 2MB L2 \$507

Celeron-D S478
320 2.4/300 2.66 \$90 / 105
335 2.8 \$120

AMD Sempron
2500+/2600+ \$85/97
2800+ \$110
3000+ (512K) \$125

Athlon 64 S754
2800+ \$147

Athlon 64 S939
3000+/3200+ \$172/232
3500+/3800+ \$324/450

LCD Monitor

Acer 1715 17" 12ms \$269
Acer 1914 19" 8ms \$425
BenQ 7705 17" 13ms \$284
BenQ 7370 17" 10ms DVI \$295
BenQ 71G+ 17" 6ms \$315
BenQ 931 19" 16ms DVI \$387
LG L1750S 17" 12ms \$275
LG L1950S 19" 12ms \$389
Samsung 710M/713V \$289
Samsung 710M 12ms \$299
Samsung 710N2 8ms \$335
Samsung 910V/913V \$390
Samsung 913V2 12ms \$420
Samsung 915N2 8ms \$449

Please call or visit our web site for the latest pricing

Western Digital Hard Drive

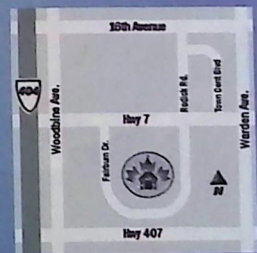
7200rpm 8MB, 3yr Warranty
40 / 80 / 120GB \$66 / 73 / 93
160 / 200 / 250GB \$97 / 115 / 140

Serial ATA 8MB, 3yr Warranty
80 / 120 / 160GB \$74 / 100 / 102
200 / 250GB \$120 / 145

10,000rpm Raptor, 5yr Warranty
74GB \$222

Dual Layer DVD Writer

AOOpen DUW1608 \$45
BenQ DW1620Pro \$50
BenQ DW1640 \$53
LG GSA-4163B \$58
LG GSA-4164/4166 \$CALL
NEC ND-3520 \$60
Pioneer DVR-109 \$60
Plexor PX740A \$130



All prices have been 3% cash discounted and are subject to all applicable taxes. Prices, specifications and availability are subject to change without notice.

Laptop

Small, lightweight and wireless, a laptop computer is ideal because students can carry it to and from the classroom, lecture hall or library. Most have integrated WiFi connectivity, which means you can surf the Net wirelessly at high speeds in a "hotspot" such as at a school library, at home or in thousands of Canadian cafés, public libraries and airports. And a round of Battlefield 2 in between classes may serve as a welcome stress reliever, too. We like the aggressively-priced Dell Inspiron 700m (\$1200 and up) and the super-light Toshiba Libretto U100 (\$2,599) at only two pounds. Tablet PCs are also growing in popularity for the lightweight form factor, long battery life and stylus pen interface, which may be more ideal for note-taking during class.

PDAs

A good student is an organized one. Personal Digital Assistants, such as the Pocket PC or palmOne handhelds, serve as pocket-sized electronic organizers that are also ideal for taking notes during class, recording lectures, calculating mathematical equations, reading digital textbooks, and with some models, wirelessly surfing the Internet for information or communication. Most devices support games, show digital photos, play MP3s and store all your phone numbers, too. The palmOne LifeDrive (\$700) is the first PDA to offer a 4GB built-in hard drive, so you can leave your iPod mini at home!

Wireless Mice and Keyboards

Break free from the cords and cables that tether you to your desk. The

latest computer mice and keyboards are completely wireless, therefore you can kick back in your chair and put your feet up to make your PC interactions more comfortable. What's more, most of these keyboards now offer a number of "hot keys" with one-touch access to the Web, email, instant messaging programs and most importantly, volume control for your favourite tunes. We dig the Microsoft Optical Desktop Elite (\$179) and the Logitech Cordless Desktop MX 3100 (\$199) – both of which includes a high-end wireless mouse and keyboard.

Microsoft Student 2006

You've heard of the Microsoft Encarta Digital Reference Library or perhaps Microsoft Office Student and Teacher Edition – but the Redmond, WA-based software giant has just launched a brand new product for students in middle-school, high-school, college or university.

Microsoft Student 2006 (\$99.99) is a comprehensive suite of tools, tutorials and resources that offers help in essay writing, science projects, geography reports and most of all, math students who struggle with the subject (who doesn't).

For example, the amazing software-based graphing calculator compliments the handheld graphing calculator required by many math students today. Features include a full-colour display, 2D and 3D charting capabilities and the ability to view, rotate and animate large graphs to help comprehend difficult concepts.

The Microsoft Student 2006 DVD-ROM also includes the full Microsoft Encarta Premium 2006 digital reference library.

Glaucus **Green**
80% Recycled
New 60G HD

~~\$599~~ \$495

Glaucus **Soho**
60G HD
256M

~~\$799~~ \$645

Glaucus **Home**
250G (250x1)
256M

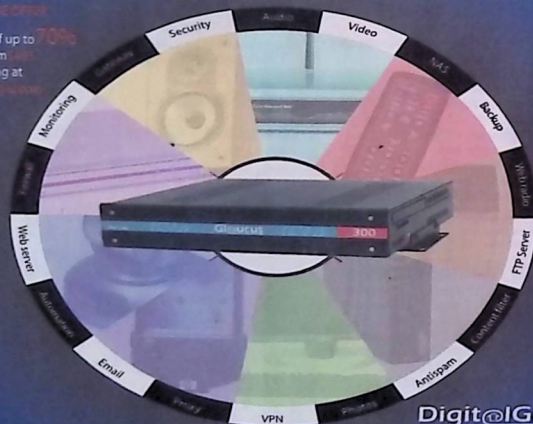
~~\$1699~~ \$995

Glaucus **Pro**
400G (400x1)
512M Dual CPU

~~\$1999~~ \$1395

On Target with Audio and Video Distribution, Storage and much more...

Discounts of up to 70%
Starting from
Check pricing at
www.digitalglu.com



The Glaucus stores music and video files and then streams them to audio and video players throughout the house with superb digital or analog sound quality. It also includes an Internet gateway providing firewall, web accelerator, intrusion detection, content filtering as well as a Web server, Virtual Private Network and a backup device for PCs on a home network.

For more information, call us at 416-650-0051 or visit us online at www.digitalglu.com

Glaucus **Atlas**
1 T (250x4)
512M

~~\$2999~~ \$1995

Glaucus **Titan I**
1.2T 3ware
RAID (250x5)
1G

~~\$5999~~ \$3995

Glaucus **Titan II**
2T 3ware
RAID (250x8)
1G

~~\$9999~~ \$6495

Glaucus **Titan IV**
4.4T 3ware
RAID (400x11)
2G

~~\$14999~~ \$9995

Music Players with Data Storage

Nothing beats listening your favourite songs while commuting to and from school or while walking in between classes – but another reason why these gadgets are ideal for students is because most hard-drive players and flash memory devices can also store computer data – such as Word files, PowerPoint presentations, important emails and offline Web pages – so you can easily transport it from one PC to another. And hey, it's faster and cheaper than burning a CD, and reusable. Prices start at about \$30 for a regular USB flash memory stick or about \$80 for one that doubles as a portable MP3 player.

Digital Pens

Students who still prefer to "take notes" during class instead of typing into a laptop or tapping a PDA screen can now have best of both worlds. A few high-tech pens remember everything you write or draw on special paper. Once the pen is docked in its USB-connected charger, it will immediately copy all the hand-written pages to a PC's hard drive for safe keeping, emailing, or yellow "sticky" reminders. With newer versions of products – such as Logitech's Digital iO Pen – handwritten notes can also be transcribed into text. At \$299, the Logitech iO2 Digital Writing System isn't cheap, but could prove to be invaluable in and out of the classroom.

By Marc Saltzman

JM Computers 416-398-2733

830A Sheppard Ave. West (3 yrs labour 1 yr parts warranty)

www.jmcomputers.ca

Mon-Fri: 10:00-19:00

Sat-Sun: 10:00-17:00

Monthly Special

17" Acer 1715B LCD \$255

17" Samsung LCD \$279

19" Acer 1913B LCD \$339

20" Acer Widescreen LCD TV \$549

Maxus 8x DVD-R 25pk \$8.99

Logitech Cordless KB

& Optical Mouse (Retail) \$49.99

Acer Aspire 3502NLC1 \$729

Intel Celeron M 1.4GHz, 256MB,

40G, 15" TFT, 56K, Lan, USB

DVD-CDRW, Wireless, Linux

Intel LGA775 3.0E \$469

Intel LGA775 3.2E \$519

Intel LGA775 3.2E \$589

ASUS P5380-VM LGA775 AGP

256MB DDR400 Brand RAM

SIS 661FX 964 / 80GB 7200rpm

52x32x52x CDRW

ATX 400W Case USB @ Front

Add Only \$32 to 512MB or 160GB

Free Keyboard Mouse Speaker

AMD Sempron 2400+ \$286

AMD Sempron 2600+ \$308

AMD Sempron 2800+ \$328

AMD Mainboard w/ Video Lan

256MB DDR400 Brand RAM

80GB 7200rpm / 52x CDRW

ATX 400W Case USB @ Front

Free Keyboard Mouse Speaker

Cash prices 4% discounted. Availability & prices subject to change without notice.

Intel Celeron 2.4G \$289

Intel Celeron 2.6G \$306

P4 2.4GHz 1MB \$366

P4 3.0GHz 1MB \$439

ASRock P4VM8 FSB800 MB

256MB DDR400 Brand Ram

80GB 7200rpm / 52x CDRW

ATX 400W Case USB @ Front

Free Keyboard Mouse Speaker

Intel LGA775 3.0E \$609

Intel LGA775 3.2E \$659

Intel LGA775 3.4E \$739

ASUS P5LD2-VM DDR2

512MB DDR2 533 Brand RAM

945G Chipset Intel Graphics

160GB SATA 8M Cache

16x DVD RW Dual Layer

ATX 420W Case USB @ Front

Free Keyboard Mouse Speaker

Sempron 3000+ \$754 \$449

AMD 64 3000+ \$519

AMD 64 3200+ \$569

ASUS KBN 5754

512MB DDR400 Brand RAM

ATI Radeon 9250 128M TV

80GB 7200rpm HDD

16x DVD RW Dual Layer

ATX 420W Case USB @ Front

Free Keyboard Mouse Speaker

Free Keyboard Mouse Speaker

Acer AS1690LCI Centrino 1.5G, 15",

256MB, 40G, DVD-CDRW \$1009

Asus 291 Centrino 1.6G, 15", 256MB,

40G, DVD-CDRW, 56K, Lan

WGLan, Free Carrying Bag \$999

Asus 271A Centrino 1.7GHz, 15.4",

512M, 60G, DVD-CDRW, 56K, Lan,

WGLan, Free Carrying Bag \$1229

Fujitsu C2330A Centrino 1.7GHz, 15",

512MB, 40G, DVD-CDRW, FDD,

56K, Lan, WGLan, XP Home \$1589

Toshiba Sat. M40 Centrino 1.7GHz,

512MB, 60GB, DVD-RW, 15.4", WGLan \$1769

Intel LGA775 3.0E \$809

Intel LGA775 3.2E \$859

Intel LGA775 3.4E \$939

ASUS P5GD2-X DDR2 Intel 915P

1GB (512x2) DDR2 533 Dual Ch.

Radeon X600Pro PCI-E TV DVI

200GB SATA 8M Cache

16x DVD RW Dual Layer

ATX 420W Case USB @ Front

Free Keyboard Mouse Speaker

AMD S939 3000+ \$729

AMD S939 3200+ \$779

AMD S939 3500+ \$879

ASUS A8N-E PCI-E

512MB DDR400 Brand RAM

Radeon X600Pro PCI-E TV DVI

200GB 7200rpm 8M SATA

16x DVD RW Dual Layer

ATX 420W Case USB @ Front

Free Keyboard Mouse Speaker



ROGERS
WIRELESS
AUTHORIZED DEALER

MUSIC PHONES. MUSIC FEATURES. LIVE OUT LOUD.

MUSIC PHONES STARTING FROM \$29.99

ALL NO COUPON

Global Wireless Solutions Inc.

548 Church Street

Toronto

416-644-9094

Loaded with Music Features: #DJ, celebrity voicemail, RealTrax CallerID, RealTrax Ring Tunes

MUSIC DOWNLOAD BONUS: 3 RealTrax Ring Tunes per month for 3 months, PLUS 3 months of unlimited minutes and messages.*

Offers are subject to change without notice. Up to 3 music downloads per month for 3 months if supported by your phone. Offers available only on new activations of select 24- and 36-month plans. *Offer includes 3 months of unlimited local calling and unlimited text messages, excluding premium messages (roaming, international, MSN® Alerts, contests and promotions), picture messaging and video messaging if supported by your phone. ®Trademarks of Rogers Wireless Inc. or of Rogers Communications Inc. used under license. ©2005

ICCT.CA

FREE MP3 PLAYERS DIGITAL CAMERAS SPEAKERS QUICK CAMS
NOTEBOOKS FROM \$729 SYSTEMS FROM \$299 lowest price guaranteed
KINGSTON MEMORY / RJ45 CABLES HOT ON SALE

D.I.Y. A

INTEL CELERON-D 2.4G
P4 MOTHERBOARD
256M PC-3200
40GB HDD
LG 52X32X52 CDROM
Elitech ATX 450W CASE
Elitech 3 IN 1 (KB&MC&SPK)
BUNDLE
INTEL P4 2.4A +\$70
INTEL CELERON-D 2.0 +\$30
SAMSUNG 7930DF +\$139

DIY YOUR OWN PC

D.I.Y. B

AMD SEMPRON 2300
SOCKET A MOTHERBOARD
256M PC3200 DDR RAM
40GB 7200RPM ATA HDD
52X CDROM
Elitech ATX450W CASE
Elitech 3 IN 1 (KB&MC&SPK)
BUNDLE
SEMPRON 2400+ +\$15
SEMPRON 2600+ +\$30
SAMSUNG 7930DF +\$139

DIY YOUR OWN PC

FREE QUICK CAM A

INTEL P4 2.4A
ASUS P4P800-MX
512M PC3200 DDR RAM
80GB 7200RPM ATA HDD
52X CD-RW & 16X DVD
Elitech ATX450W CASE
Elitech 3 IN 1 (KB&MC&SPK)
BUNDLE
INTEL P4 2.4A +\$40
INTEL P4 3.0E +\$70
ACER AL 1715B +\$269

FREE ELITECH QUICK CAM #318

FREE QUICK CAM B

INTEL P4 3.0E
Gigabyte 8PE1000-C
512M PC3200 DDR RAM
ATI RADEON 9250 128M ACPGX
80GB 8M 7200RPM ATA HDD
LG 4163 16X DVD-RW
W-LESS KB/M S RECHARGEABLE
Elitech ATX450W CASE
INTEL P4 3.2E +\$110
ACER AL 1715B +\$269
LG L4750S/SK +\$269

FREE ELITECH QUICK CAM #318

FREE HOME THEATRE A

INTEL P4 520 2.8GHZ
ASUS P5P800-S
512M PC3200 DDR RAM
ATI RADEON 9250 128M ACPGX
160GB 7200RPM ATA HDD
LG 4163 16X DVD-RW
W-LESS KB/M S RECHARGEABLE
Elitech ATX450W CASE
INTEL P4 530 3.0 +\$20
INTEL P4 540 3.2 +\$50
BEVO FP 71G+ +\$319

FREE 5100 PC& HOME THEATRE SPKS

FREE HOME THEATRE B

AMD ATHLON 64 3000+939
Gigabyte GA-KEN8-C 939
512M PC3200 DDR RAM
ATI RADEON 9600XT 256M
160GB 7200RPM ATA HDD
LG 4163 16X DVD-RW
W-LESS KB/M S RECHARGEABLE
Elitech ATX450W GAMING 888
AMD ATHLON 64 3200 +\$60
AMD ATHLON 64 3500 +\$150
SAMSUNG 710N-J +\$339

FREE 5100 PC& HOME THEATRE SPKS

FREE MP3

INTEL P4 630 3.0GHZ
ASUS P5LD2
1G DUAL DDR400 F33
ATI RADEON X600 PRO 128M
160GB 7200RPM ATA HDD
LG 4163 16X DVD-RW
W-LESS KB/M S RECHARGEABLE
GAMING ATX450W XBL
INTEL P4 640 3.2 +\$70
INTEL P4 650 3.4 +\$238
ACER AL 1913B +\$369

FREE 256M MP3 PLAYER

FREE DIG CAMERA

AMD ATHLON 64 3500+939
MSI K8N NEO4 SLI
1G DUAL PC3200 DDR
6600GT 128M PCIE
200GB 7200RPM ATA HDD
LG 4163 16X DVD-RW
W-LESS KB/M S RECHARGEABLE
GAMING ATX450W XBL
AMD ATHLON 64 3000 +\$120
AMD ATHLON 64 4000 +\$340
SAMSUNG 913T +\$489

FREE DIGITAL CAMERA

SYSTEM OPTIONS

Microsoft Windows XP Home \$119
 Microsoft Windows XP Pro \$179
 Microsoft Media Center 2005 \$159
 Microsoft Office 2003 SB Edition \$299
 Microsoft Office 2003 Pro \$399
 Norton Antivirus 2005 \$35
 CSA 400W Dual Fan Power Supply \$39

LCD & CRT MONITORS

ACER AL 1715B (500:1/14MS) \$269
 ACER AL 1913B (600:1/23MS) \$369
 LG L1750S/SK (500:1/12MS) \$269
 BEVO FP 71G+ (500:1/16MS) \$319
 SAMSUNG 710N-J (600:1/16MS) \$339
 SAMSUNG 913T (700:1/18MS) \$489
 SAMSUNG 7930DF (CRT) \$139

NOTEBOOKS WWW.ICCT.CA / NOTEBOOK

ACER 3502N.CI CELERON 1.4G 256M
40G DVD/CD-RW 15" XGA Linux
ADDITIONAL 256M MEM \$39 **\$729**

FUJITSU LifeBook® T4010D
Intel Pentium M725 1.6G 40GB 512MB 2G
12.1" XGA DVD/CD-RW XP Home **\$2329**

TOSHIBA Tecra A3.JD101E
PM-1.6G 40GB 512MB 15XGA CDRW/DVD
M/WLAN XP Home **\$1599**

ACER 73551.CI
CELERON-M 1.4G 512MB 60GB
DVD-CRW 15.0" XP Home **\$999**

ACER ASPIRE 16901.CI CENTRINO 1.5
40GB 256MB 15.0" XGA DVD/CDRW XP
Home ADDITIONAL 256M MEM \$39 **\$1099**

ACER 3603WX.CI
CENTRINO 1.5 80GB 512MB 14.1"
WXGA DVD/CDRW XP HOME **\$1099**

ACER ASPIRE 1804WS.MI
P4 3.20 100GB 512GB 17.0" TFT
DVD-RW XP Home **\$2049**

ACER FERRARI 4005W.MI
TURION 64 ML37 2G 100GB 1GBM
DVD-SPRMULT 56K 15.4" XP HOME **\$2299**

MOTHERBOARD

ASUS ABV \$113
 ASUS P5ND2-SLI-DX \$269
 ASUS P5GL \$117
 ASUS P5WD2-PREWF \$349
 ASUS P5LD2 \$169
 ASUS P5G02-X \$139
 ASUS ABII-SLI-DX \$203
 ASUS ABII-E \$139
 GIGABYTE GA01915PL-G \$109
 GIGABYTE GA019100-G \$96
 GIGABYTE GA019100-SLI \$180
 GIGABYTE GA019100MK \$99
 MSI K8N NEO4 PLTHM \$939
 MSI P4N DIAMOND SKT775 SLI \$285

HARD DRIVE

MAXTOR 80G 2M \$66
 MAXTOR 200G 16M \$135
 MAXTOR onetouch USB 120G Ex. \$199
 Western Dig. 160G 8M \$98
 Western Dig. 74G 10krpm SATA \$225
 SEAGATE 200G SATA (HCO) \$149
 TOSHIBA 40G 5400 notebook \$89

NETWORKING

D-LINK DI 604 Router \$39.99
 D-LINK DI 524 W-less G Router \$65
 D-LINK DWL-G122 USB Card \$51.99
 D-LINK DWL-G510 PCI Card \$51.99
 Linksys W-less G Router/SB \$89.99
 Linksys W-less G PCI Card \$69.99
 RJ45 30 FEET Cable summer sale \$4.99

VIDEO CARD

ATI Radeon 9250 \$46
 ATI Radeon 9550 256M \$76
 ATI Radeon 9600XT 256M \$125
 ATI Radeon 9800Pro 128M \$165
 ATI Radeon X300SE 128 PCIE \$79
 ATI Radeon X600Pro 256 PCIE \$114
 ATI Radeon X700 256 PCIE \$159
 GIGABYTE FX5200 128M AGP \$55
 XFX GF 6600GT PCIE 128M \$229
 MSI HX6600GT-VTD128M \$249
 MSI HX6600GT PCIE TD128 \$229
 BFG GF6600GT OC 256M PCIE \$559
 BFG GF7800GT OC 256M PCIE \$795
 Leadtek FX6200 128M \$39
 Leadtek FX6600GT EXTREM 128M \$249

SOUND CARD&SPEAKER

Creative S.B. Live OEM \$32
 Creative S.B. Audigy ZS OEM \$85
 Creative P5000 SPK \$85
 Elitech A-21 SPK \$25
 Elitech EB990 2.1 SPK \$25
 Logitech X230 SPK \$48
 Logitech X530 SPK \$76

OPTICAL DRIVE

Aopen DVD CD-RW Combo \$39
 BEHQ 16x DVD-RW \$56
 LG 52x32x52 CDRW \$29
 LG 4163 16x DVD-RW \$56
 Liteon 16x DVD-RW \$56
 NEC 16x DVD-RW \$56
 Pioneer 109 DVD Burner \$62

ICCT.CA

Creative Zen Micro 5GB
\$239

Apple iPod SCALL

BFG 7800GT
\$739

Gift Idea from ICCT.ca

Canon PowerShot SD300 \$459

Mon-Fri 10:30-19:30
Sat-Sun 10:30-18:00
Sun 11:00-17:00

MARKHAM
 101 Markham Rd. Unit 101
 TEL: 905-913-3505

NORTH YORK
 481 Sheppard Ave. E. Unit 101
 TEL: 416-223-5553

BRAMPTON
 3600 Steeles Ave. W. Unit 101
 TEL: 905-874-1333

TORONTO
 390 College St. Unit 101
 TEL: 416-593-0702

All prices are already discounted. The products may not exactly appear the same as the pictures show. Prices subject to change without notice. Prices may vary according to store locations. Although we strive for the accuracy in our advertising, errors may occur. In such cases, we reserve the right of correction. All logos are the property of ICCT CANADA. Copyright © 1995-2005 ICCT CANADA. All rights reserved.

In the Groove

Publisher: RedOctane **Developer:** Roxor Games **Platform:** PlayStation 2

In the Groove is RedOctane's first foray into game publishing after making a name for itself as a manufacturer of quality third-party dance mats for the home versions of Konami's Dance Dance Revolution franchise.

It's perhaps not surprising, then, that In the Groove owes a lot to Dance Dance Revolution conceptually. The game uses the same dance mat controller and features the same familiar arrows that scroll down the screen, requiring players to tap the corresponding arrows on the dance mat in time with the musical track.

That said, In the Groove does bring some interesting innovations to the table that tweak the formula for the better.

In addition to a slew of aesthetic customization options, the game also

features a great workout mode. Although workout modes have become the standard in dancing games, In the Groove's is probably the most effective to date. You can tailor an exercise session by choosing either a certain amount of time

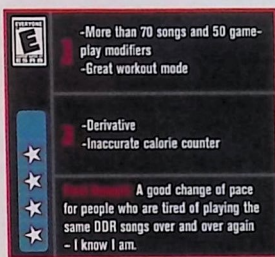
to dance, or a certain number of calories to burn, then set the game to "non-stop" mode and let it cycle through an endless supply of songs without break until the goal has been reached. [Contrary to other games' workout modes that don't offer a non-stop mode to keep your heart rate elevated.] All in all, the workout mode is one of In the Groove's strongest features, despite the fact that its calorie counter is basically useless (the suggestion that 20 minutes of dancing burns 1,000 calories seems a tad optimistic...)

Two other innovations of note are mines that litter the field in more advanced songs that explode and deplete the life bar if a foot is left down too long (requiring the player to rethink traditional DDR gameplay of leaving the feet down as long as possible), and the fact that three or even four arrows sometimes need to be pressed simultaneously,

requiring the hands or knees to get involved.

With a fresh songlist and a interesting twist on a traditional formula, In the Groove is a nice change of pace for dancing game fans and a good entry point into the genre as well.

By Erin Bell



www.**shoprbc.com**

Unmatched service, low prices and huge product selection.

Flat Rate Shipping!

\$10 for standard, \$15 for expedited - Any weight, any amount, anywhere across Canada.

ResellerRatings.com - 10/10

Read our reviews and find out why our customers praise our service, pricing and website.

Acer Aspire 5002WLMi Notebook

sale



Regular Price \$1229.00
\$1145.00

Kingston Data Traveler 256MB USB2.0 Key

sale



Regular Price \$39.00
\$29.00

Logitech Headphones Wireless for iPod

sale



Regular Price \$179.00
\$139.00

HDA Digital X-Mystique 7.1 Gold Sound Card

\$145.00

HP rx6125 Turion64 Notebook

sale



Regular Price \$1395.00
\$1275.00

Creative Zen Micro 5GB MP3 Player

sale



Regular Price \$269.00
\$225.00

Linksys WMC54AG 802.11g Media Center Receiver

sale



Regular Price \$349.00
\$319.00

Logitech MX3000 Cordless Keyboard & Mouse

sale



Regular Price \$119.00
\$98.00

HP IPAQ h6325 Pocket PC / Cell Phone

sale



Regular Price \$749.00
\$689.00

Seagate 200GB 7200RPM 8MB IDE Hard Drive

sale



Regular Price \$135.00
\$119.00

visit us online today at www.shopRBC.com or give us a call 1-866-RBC-4-AMD

Pricing and/or product availability is subject to change. Limited quantities available on some advertised items. We reserve the right to limit quantities sold. Advertised prices do not include shipping and handling fees. © shopRBC.com/RB Computing Inc. All rights reserved. We are not responsible for any typographical errors.

Still Life

Publisher: The Adventure Company **Developer:** Microïds **Platform:** Xbox, PC

Still Life has one of the most gripping, mature and immersive storylines in recent memory. It spins an intriguing tale of murder and mystery, tinged with brutality and the macabre, and fleshes the plot out with believable and endearing characters. The only problem is that it all falls apart in the last two minutes. The story centres around Victoria McPherson, an FBI agent in Chicago who is on the hunt for a serial killer responsible for a string of gruesome murders – the victims all women. While puttering around in her father's attic, Victoria stumbles upon the case files of her grandfather, private investigator Gustav McPherson, which describe a series of murders in 1920s Prague that bare an eerie



resemblance to the work of the present-day killer.

The investigations of Gus and Victoria become intertwined as the player controls each of them alternately.

Because the game is a point-and-click adventure, it's impossible for

either Gus or Victoria to die. Without the constant threat of physical danger and relying on survival-based reflexes, the game instead unfolds like an interactive story book with the player as an active participant.

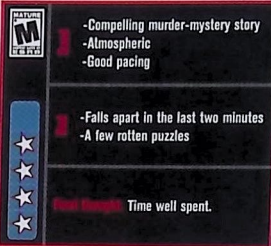
Pacing is good, thanks to design decisions that leave out a lot of the baggage that can sometimes weigh down adventure games (there aren't a lot of superfluous books or documents to sift through looking for obscure clues, for example, and area puzzles generally use objects that can be found in the same area to negate a lot of backtracking.)

Puzzles, when they do arise, generally aren't too obtuse either, save for a few really nasty ones that involve lockpicking and baking cookies.

To explain why Still Life comes up short of being a complete masterpiece would mean giving away spoilers; suffice it to say, the ending is a

cop-out. Although developer Microïds obviously left things open for a sequel, the studio has since been absorbed by Ubisoft Montreal so it doesn't look like we'll be getting one any time soon. Pity.

By Erin Bell



Conker: Live and Reloaded

Publisher: Microsoft Game Studios
Developer: Rare **Platform:** Xbox
ESRB: M
Star rating: 3.5

Gamers who played Conker's Bad Fur Day for the Nintendo 64 already know the single-player drill. Obscure objectives uncovered while running from scripted checkpoint to scripted checkpoint – marked with variously amusing cutscenes – in a pseudo platform run through a satirical and sometimes cute 3D adventure world. Throw in some shooting elements and a few vehicular missions like hoverboarding over molten lava and you get the idea.

What's new is an extensive online element that allows for up to 16 players at a time with reasonably balanced user-selected character classes like Sneaker, a stealth character, sniper, and grunt. Gamers compete in a variety of games in well-designed matches on well-designed maps. Players can stay on the ground and use a good variety of weapons to take out the opposing forces or jump into one of several vehicles, land- or air-based. For Xbox Live gamers, the online portion of Conker pushes it beyond the sometimes lacklustre single-player gameplay. Split-screen and bot matches might help with the value proposition for non-Live gamers as both play well.

By Andrew Moore-Crispin

Fantastic 4

Publisher: Activision **Developer:** 7 Studios **Platform:** Xbox, PlayStation 2, Gamecube

It's hard not to compare Fantastic 4 to the superb X-Men Legends. The two share the same four-character co-operative beat 'em up gameplay, where the player can switch between each of the characters on the fly to access various special moves and combo attacks.

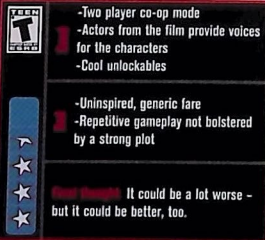
However, Fantastic 4 is simply not as polished or engaging. Part of the problem may be that while X-Men Legends drew exclusively on the rich comic book lore of the X-Men universe for its inspiration, Fantastic 4 is loosely based on the recently-released Fantastic Four film, which has been getting lukewarm reviews.

Perhaps that's the reason for a plot that seems flat and hurried, with bland levels that seem designed to push the characters through as quickly as possible.

Though uninspired and a tad buggy (the wonky camera especially), Fantastic 4 is hardly a train wreck. The gameplay is decent beat 'em up fare, and the four heroes do have one or two interesting moves. The game's environments are destructible to a degree, and there's a great deal of satisfaction to be had by rampaging around as The Thing reducing the surroundings to rubble and flinging enemies around like rag dolls.

Fantastic 4 also features the requisite nifty unlockables, including comic book excerpts and covers, character bios and interviews.

By Erin Bell



187 RIDE OR DIE™

DRIVE BLAST RULE

They took over your neighbourhood...
They shot your mentor...



The perfect mix of DRIVING & SHOOTING : Boost, drift and swerve through South Central's crowded streets in one of the game's 30 cars, and defend your block with 14 black-market weapons



Endless REPLAY value : Build a lethal driver/gunner team in co-op, or destroy rivals in ruthless 2-player split-screen / online multiplayer races.

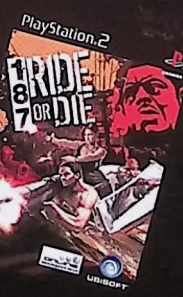


A MOVIE-LIKE casting : Voiceovers and likenesses of rising Hollywood and rap stars : LARENZ TATE (Ray) NOEL GUGLELMI (The Fast and the Furious) and GUERRILLA BLACK

STARRING Larenz TATE, Noel GUGLELMI
and Guerilla BLACK

SOUNDTRACK BY
GUERRILLA BLACK

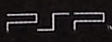
www.187game.com



Available August 2005



PlayStation 2



NETWORK PLAY



UBISOFT

www.ubi.com/ca

Bomberman

Publisher: Ubisoft **Developer:** Hudson
Platform: Nintendo DS **Star Rating:** 3
ESRB: E

The Bomberman franchise is now 20 years old and still apparently going strong. But while recent additions to the series have taken Bomberman in new directions (such as the 3D platformer Bomberman Jetters), developer Hudson and publisher Ubisoft have decided to play it safe with Bomberman's Nintendo DS debut. In essence, the gameplay of this most recent title remains preserved in amber from the 1985 version of Bomberman for the Nintendo Entertainment System: Bomberman must bomb his way through a grid of obstacles – some explodable and some not – collecting power-ups, destroying enemies, and ultimately trying to find his way to the end gate before time expires, an enemy touches him, or he accidentally blows himself up – whichever comes first.

One innovation to speak of is that the lower screen of the DS is used as an inventory window, meaning that items can be stored and used later instead of activating the moment Bomberman runs over them.

While single player mode doesn't have the addictiveness of truly classic puzzlers, the multiplayer mode is, as always, excellent.

By Erin Bell

Good:

- One hundred stages
- Eight player multiplayer with one game card

Bad:

- Single player isn't up to par with truly classic puzzle games

Final thought:

Party like it's 1985.

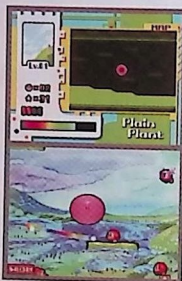


Kirby: Canvas Curse

Publisher: Nintendo **Developer:** HAL Laboratories

Kirby takes a new approach to platform gameplay in Canvas Curse. In traditional platformer style, players hit timed jumps, solve little gameplay puzzles to find power-ups and collectibles and defeat enemies along the way. It's all pulled off in a decidedly non-traditional way, however.

Nintendo calls the game a "touch platformer." The DS face buttons don't factor in to the gameplay at all. Rather, players draw rainbow lines using the DS' stylus for Kirby – in ball form – to travel along. The direction in which lines are drawn determines Kirby's direction of travel.



Players can create ramps to launch our pink protagonist skyward or draw loops to give him a burst of speed.

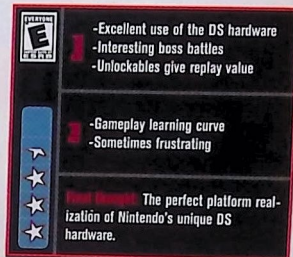
Along the way, players tap enemies with the stylus to stun them or tap Kirby himself to give a



spinning burst of speed that also takes out enemies. Some enemies give up special abilities that factor into the gameplay puzzles.

The non-traditional control scheme takes some getting used to, but feels very natural once the learning curve has been overcome.

By Andrew Moore-Crispin



Riviera: The Promised Land

Publisher: Atlus Software **Developer:** Sting **Platform:** Game Boy Advance

It's always refreshing to see a role-playing game that puts a twist on some of the genre's more entrenched gameplay traditions – in this case, by abandoning the aimless wandering around and incessant random battles that can make RPGs so annoying.

Instead, characters travel from one "screen" to the next, with the option to "Move" to the next screen or "Look" at various objects in the surroundings which can be investigated further (i.e. opening a treasure chest or investigating a suspicious looking tangle of vines on a wall.)

Battles, like dialogue, are scripted events that happen at set places throughout the adventure. Some of Riviera's genre twists are less successful. The decision to severely limit the inventory capacity results in having to constantly delete items to make room for new ones. As

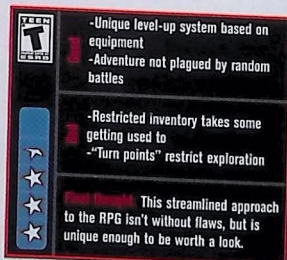


well, only four items can be taken into battle to be shared among the three members

of the party. Item hoarders will find these adjustments hard to make.

The requirement of "turn points" to investigate most of the objects in the environment can also put a damper on the adventuring, since once the points run out, it's impossible to do anything except move. It's hard to know when to spend points or hoard them for later – and once each area is cleared, there's no going back to check those unopened chests or unexplored nooks and crannies.

By Erin Bell



Think Power, think **ENERMAX**

Enermax power supply specialized for SLI system. nVIDIA certified.



EG701AX-VE(W) SFMA
Active PFC (600W)

ATX 12V V2.01

Compatible with LGA775 P4 Prescott and Athlon 64 system

Dual PCI-Express compatible

Directly connect to graphic card to ensure SLI system stability.

All-in-one: Supports ATX12V for ATX & BTX and EPS12V for EEB, CEB.

Enermax power supply, Tom's Hardware 2004 reader's best choice award.



EG565P-VE FMA
Non PFC (535W)

Authorized Dealers:

Tollfree: 1-877-289-2360

A Power
Computer
604-273-8868

Anitec
Computer
604-435-2038

Bcom
Computer
780-471-8855

Caltech
Computer
403-245-9262

Canada
Computer
905-946-9888

Cellar
Computer
902-429-0013

Computers &
Peripherals
416-667-1668

Computer
Avenue
204-783-8999

Computer
Boulevard
204-772-1088

Computer
Rack
403-250-5101

Deals Direct
Computer
613-744-6370

EverBest
Computer
613-224-1434

Fans PC
613-224-1434

Gray-Tech
Computer
905-470-1425

Guntal Ware
905-940-0333

ICCT, CA
905-513-9935

InfoMedia
418-725-3464

J Netronics
905-948-1428

Logic
Computer House
905-415-0909

Mega PC
514-341-4119

Memory
Express
403-253-5676

MPT
Computers
416-292-0533

Mysterbyte
902-453-2983

Netlink
604-451-8682

Ordicentre
450-671-8555

OTA
Computers
416-992-1177

PC Cyber
Computer
613-224-9995

PC Village
905-889-5488

Southampton
508-384-5500

Tomken
Technologies
905-625-9889

All brand names are trademarks or registered trademarks of their respective companies.

Get in the game: Videogame design post-secondary



Gone are the days when entire videogames were created by teams of two or three people doubling as programmer, artist, animator, writer, producer, level designer and audio engineer.

And gone too are the days when a bit of self-taught tech know-how and a whole lot of enthusiasm would guarantee you a job in the industry.

Now, with many of today's games having the production values and technical sophistication of Hollywood movies, it's not surprising that the size of an average production team on an A-list title has swelled to the hundreds, with each person filling a highly specialized role.

"Considering the high quality of our games, we really consider a [college or university] degree to be a necessary part of working here," says Frederick Brassard, talent network specialist at Ubisoft Montreal.

Another advantage of getting a degree or diploma in a game-related subject, according to Dave Warfield, program director of the Game Design program at the Vancouver Film School, is that it allows graduates to vault over the traditional game studio entry-level position for unqualified individuals: the demanding, repetitive role of the game tester.

"That's how the industry grew to where it is now, by friends recruiting friends, by starting off as a game tester and moving your way up," says Electronic Arts spokesperson Tammy Schachter. "But the industry is now at a crossroads where it has become mainstream entertainment and is on the verge of becoming very, very big business, and we can't continue to grow by trial and error."

"We need to have people entering the business who are already knowledgeable and not starting from ground zero."

Edmonton-based BioWare prefers candidates for programming and tech design positions to have a computer science or software engineering degree as well as a few years of software experience, according to HR Coordinator Leanne Korotash.

For art positions, where creativity and artistic talent is as important as the training, companies may also admit people based on the strength of a portfolio. But as Theresa Baxter, also an HR Coordinator at BioWare, points out, "a good portfolio will be best supported by receiving training from a reputable technical, film, or digital media program." For artists, she suggests a degree or diploma in fine arts that combines natural artistic skill with knowledge in digital techniques (modeling, texturing, animation) and popular programs such as Maya.

Canada's largest game studios frequently trawl for new recruits at Canadian universities and colleges with strong programs in computer science and software engineering (such as the Universities of Victoria, Alberta, Toronto, Calgary, Western Ontario, Waterloo, Simon Fraser and Dalhousie) and art and animation (such as the University of British Columbia, Emily Carr Institute, Vancouver Film School, Sheridan College and Seneca College).

Several schools also offer specialized game-related courses. Through partnerships with Cégep de Matane and Université de Sherbrooke, Montreal's Ubisoft Campus (www.ubisoftcampus.com) offers courses in production, programming, 3D animation, 3D modeling and level design. Students can take a 45 week college program or pursue a graduate degree in computer science or software engineering including courses in programming, digital imaging and electronics.

This April, McMaster's Faculty of Engineering introduced the first software engineering program in Canada to focus on game design (<http://gamer.mcmaster.ca/index.html>). Students completing a bachelor's degree in software engineering can opt to enter the game design specialization after first year and focus on game-related applications like creating physics and rendering engines and user interfaces to become qualified for the positions of project lead, user interface designer, and core programmer.

The Vancouver Film School (www.vfs.com) offers a one-year diploma in Game Design. Headed by former Electronic Arts Senior Producer Dave Warfield, the program offers a well-rounded curriculum emphasizing the creative skills of game development, such as game theory, cinematics, art, animation, storyboarding, creative writing, and production methodologies. According to Warfield, graduates would be suited to fill some of the creative "visionary" positions on a game development team, such as game designer, level designer, or producer.

Regardless of what school a student chooses, the companies we spoke to stressed that it's not necessarily just the school, but also what the student absorbs and learns from the education that's important.

By Erin Bell

Who's hiring?

Studios are constantly updating their job postings online, so check out these Web sites for info on the latest company openings in Canada:

Beenox (Quebec City) www.beenox.com/index_en.html

BioWare (Edmonton) www.bioware.com/bioware_info/jobs/

Digital Extremes (Toronto) www.digitalextremes.com/employment.htm

EA Canada (Vancouver, Montreal)

<http://jobs.ea.com/plb/ElectronicArts/Canada/applicant/index.jsp>

Gameloft (Montreal) www.gameloft.com/corpo_jobs.php?job_country=38

Orbital Media (Calgary) <http://orbitalmedia.ca/jobs.htm>

Pseudo Interactive (Toronto) www.pseudointeractive.com/jobs.shtml

Radical (Vancouver) www.radical.ca/careers/open_positions.html

Relic Entertainment (Vancouver) www.relic.com/careers/careers.php

Rockstar Vancouver www.rockstarvancouver.com/rstar_careers.htm

Ubisoft Montreal <http://jobs.ubisoft.ca/en/>

JVC

The Perfect Experience



No Tape. No Disk. Over 24 Hours Recording.

or



Just one small camcorder with a hard disk drive.

No tape. No disk. This palm-sized Everio G Series Camcorder records over 24 hours of video on a high-capacity internal hard disk drive. It also lets you easily delete and rearrange your footage while on the go. Vacationing, at family events or sports events, just pack your little Everio and go. No cassettes or disks to carry or lose. And Everio's multi-connectivity lets you share all your memories instantly. It's your own portable video scrapbook. Everio from JVC.



Everio G

HARD DISK CAMCORDER

Series



2 Megapixel UXGA

GZ-MC100

- Pocket Style
- 2 Mega Pixel
- CCD-DVD Quality Video
- Built-in Digital Still Function



MPEG-2 DVD-Quality

GZ-MC200

- Cube Style
- 2 Mega Pixel
- CCD-DVD Quality Video
- Built-in Digital Still Function (1620x1240)



Also available

Everio C

DIGITAL MEDIA CAMERA


Series

3CCD+5MEGAPIXEL

GZ-MC500

- Professional & Cube Style
- 3 CCD Chip System Crystal Clear Video
- 5 Mega Pixel Digital Still Built-in

Visit our website at: www.jvc.ca



*Your printer is like your car.
Make sure it has a good engine.*



Samsung is the second largest laser engine manufacturer in the world.

As the world's second largest laser engine provider,* Samsung isn't just in the printing business. We are the printing business. And we've been driving the industry for over 20 years* with printing technologies so reliable, even other printer companies are using it. So, if you want a dependable printer, from networkable colour lasers, to intuitive multifunction solutions, there's only one brand you need to get you where you want to go. www.samsung.ca

Samsung printers.
Samsung. Inside and out.

SAMSUNG

©2005 Samsung Electronics Canada, Inc. Samsung is a registered trademark of Samsung Electronics Co., Ltd. All product and brand names are trademarks or registered trademarks of their respective companies. Check with your local computer dealer for availability and pricing. Based on IDC Worldwide Quarterly Printer Tracker Q4 2004; *Samsung Electronics Co., Ltd.